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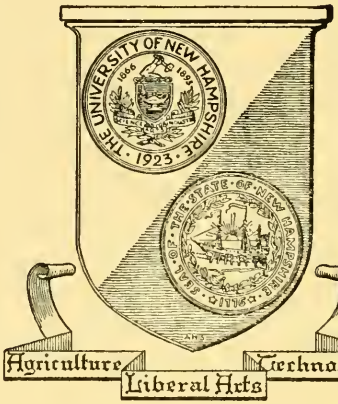


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DEPARTMENT OF AGRICULTURAL CHEMISTRY

# Inspection of Commercial Feeding--Stuffs 1924

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# INSPECTION OF COMMERCIAL FEEDING-STUFFS

## ANALYSES OF COMMERCIAL FEEDING-STUFFS COLLECTED BY THE COMMISSIONER OF AGRICULTURE, 1924

### INTRODUCTION

The feed bill is by far the largest single item of expense that the New Hampshire farmer must meet. The annual expenditure for commercial feeding-stuffs is ten times the amount spent for commercial fertilizers and greatly exceeds the amount spent for labor. The preceding facts show the importance of protecting the consumer of feeding-stuffs so that he may know what he is buying. For the purpose of securing such protection the state law controlling the sale of commercial feeding-stuffs has been enacted. This law provides that before feeds may be offered or exposed for sale in the state they must be rgistered with the Commissioner of Agriculture. The feeds must be labeled showing the minimum percentage only of protein, fat and carbohydrates and the maximum percentage of crude fiber. In order to enforce the law the Commissioner of Agriculture directs the State Inspector to visit the various feed warehouses throughout the state, collect samples and submit them to the Agricultural Experiment Station for analysis.

This report deals with the inspection of commercial feeding-stuffs for the year 1924, made under the direction of the Honorable Andrew L. Felker, Commissioner of Agriculture. Mr. E. D. Sanborn, State Inspector, visited most of the feed warehouses in the state and collected 362 samples of feeds.

### PURPOSES OF THE LAW

The purpose of the state law is primarily to protect the consumer but it also protects honest dealers as well. By requiring the guaranteed analysis to be plainly stated on each bag of

feed, it is possible for the consumer to know the quality of the product which he buys. This makes it possible for the consumer to determine whether the feed is worth the price asked for it and whether it will meet his needs. The law aims to prevent misbranding, adulteration and other fraudulent practices, which is to the best interests of the honest dealer as well as the consumer. Those conditions which make for profitable use of the feeds are in the end most profitable for the dealer. Progressive feed dealers are realizing more and more, that in the long run the feeds which are most profitable to sell are those which give the consumer the best returns.

## TO THE CONSUMER

The cooperation of the consumer aids materially in enforcing the law. *Do not buy feeds which are not properly labeled.* During the last year a number of feeding-stuffs were found upon the market without a label showing the guaranteed analysis. This practice is unlawful and must be stopped. Study the guaranteed analysis and buy the feeds which serve your particular need. Why buy a feed on which the manufacturer is unwilling to place a guarantee ?

## TO THE DEALERS

Before engaging in the business of selling feeding-stuffs, write to the Commissioner of Agriculture for a copy of the state law and familiarize yourself with its provisions. Study these annual reports and buy feeds from those manufacturers which regularly meet their guarantee. Protect yourself by specifying that all shipments of feeding-stuffs must comply with the state law. Remember that you are directly responsible for any feed in your possession that fails to comply with the state law and that the same penalty applies to exposing or offering for sale as for selling the same. *Caution!* During the last year several carload-shipments of wheat feeds were shipped to dealers in this state and offered for sale without having a guaranteed analysis upon the bags. *This is in violation of the law. Remember the dealer is subject to the penalty.*

## TO THE MANUFACTURERS

The uniform labels approved by the Association of Feed Control Officials meet the requirements of the State Law. The uniform application blank adopted by the Association of Feed Control Officials may be used in making application for the registration of feeding-stuffs.

## CLASSIFICATION OF FEEDING-STUFFS ANALYZED

In classifying the feeding-stuffs the class names under which they were sold have been used. Table 1 shows the number of feeding-stuffs in each class, the average percentage of protein and fat found and the price per 100 pounds.

TABLE 1

| Class | No. of Feeds | Average Per Cent Protein | Average Per Cent Fat | Average Price per 100 lbs. |
|---|---|---|---|---|
| Alfalfa Meal | 4 | 14.87 | 1.62 | 2.29 |
| Beet Pulp | 4 | 9.08 | 0.61 | 2.39 |
| Brewers' Grains | 2 | 23.02 | 6.76 | 2.30 |
| Calf Meal | 3 | 25.07 | 4.59 | 4.13 |
| Compounded Feed | 39 | 9.68 | 3.99 | 2.26 |
| Corn and Oat Feed | 2 | 10.79 | 4.53 | 2.80 |
| Cottonseed Meal | 27 | 37.89 | 6.44 | 2.86 |
| Dairy Feed | 53 | 21.79 | 5.06 | 2.60 |
| Gluten Feed | 6 | 27.65 | 3.24 | 2.84 |
| Hominy Feed | 11 | 10.39 | 5.86 | 2.32 |
| Linseed Meal | 10 | 32.86 | 6.52 | 2.74 |
| Oat Feed | 6 | 10.89 | 4.05 | 2.26 |
| Pig Feed | 2 | 19.14 | 4.78 | 2.78 |
| Poultry Feed | 52 | 30.46 | 7.89 | 3.74 |
| Wheat Feed | 128 | 16.26 | 5.01 | 2.07 |
| Total | 349 | | | |

The relative number of feeding-stuffs in the respective classes is very similar to that of last year except that the number of cottonseed meals and poultry feeds are slightly higher.

## DEFICIENCIES IN ANALYSIS

Table 2 shows the number of samples found deficient in protein and fat, the number of samples deficient in both protein and fat and also the percentage number of each class showing such deficiencies. In making up the table only those deficiencies of one-half of one per cent or more of protein and one-fourth of one per cent or more of fat were used.

TABLE 2

| Class | No. in Class | No. Def. ½% Protein | No. Def. ¼% Fat | No. Def. both Protein and Fat | % Def. ½% Protein | % Def. ¼% Fat | % Def. both Protein and Fat |
|---|---|---|---|---|---|---|---|
| Alfalfa Meal | 4 | 0 | 1 | 0 | 0 | 25 | 0 |
| Beet Pulp | 4 | 0 | 0 | 0 | 0 | 0 | 0 |
| Brewers' Grains | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| Calf Meal | 3 | 1 | 1 | 0 | 33 | 33 | 0 |
| Compounded Feed | 39 | 11 | 9 | 7 | 28 | 23 | 18 |
| Corn and Oat Feed | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cottonseed Meal | 27 | 14 | 1 | 1 | 52 | 4 | 4 |
| Dairy Feed | 53 | 15 | 8 | 3 | 28 | 15 | 6 |
| Gluten Feed | 6 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hominy Feed | 11 | 1 | 7 | 1 | 9 | 64 | 9 |
| Linseed Meal | 10 | 2 | 0 | 0 | 20 | 0 | 0 |
| Oat Feed | 6 | 1 | 2 | 1 | 17 | 33 | 17 |
| Pig Feed | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| Poultry Feed | 52 | 13 | 4 | 3 | 25 | 8 | 6 |
| Wheat Feed | 128 | 3 | 4 | 2 | 2 | 3 | 2 |
| Total | 349 | 61 | 37 | 18 | 17 | 11 | 5 |

More feeds were deficient in protein and fat this year than in any of the past four years. The compounded feeds, cottonseed meals, dairy feeds and poultry feeds show the largest number of deficiencies. The cottonseed meals were decidedly inferior in quality, one-half of them being deficient in protein.

## WHAT DOES THE CHEMICAL ANALYSIS MEAN?

In a feed analysis the following determinations are usually made: protein, fat, carbohydrates, ash, moisture and crude fiber.

*Protein* is determined by finding the percentage of total nitrogen and multiplying this by the factor 6.25, since it has been found that the average proteins contain 16 per cent nitrogen. While this includes small amounts of certain other compounds which contain nitrogen, for all practical purposes it is sufficiently accurate. Protein, then, is made up of the compounds in the feed which contain nitrogen.

*Fat* is determined by extracting a dried sample of the feeding-stuff with ether and weighing the residue after the ether is driven off. In main, it contains the vegetable fats of which olive oil, linseed oil, and cottonseed oil are examples. It contains also small amounts of chlorophyll, (the green coloring matter of the leaves), waxes, resins, etc.; but for practical purposes it is accurate enough to deal with it as fat.

*Ash* is determined by weighing the residue after the sample has been burned at a low temperature. It contains the mineral matter of feeding-stuffs.

*Moisture* is determined by finding the loss in weight after heating at the temperature of boiling water. It shows the amount of water that the feed contains.

*Carbohydrates* are determined by adding the percentages of protein, fat, moisture and ash, and subtracting the total from 100 per cent. The carbohydrates are composed largely of starches, sugars, pentosans, celluloses, etc. The carbohydrates include the crude fiber also. The percentage of carbohydrates less the percentage of crude fiber is called *nitrogen free extract.*

*Crude Fiber* is made up of the more woody-like carbohydrates which are largely of a cellulose nature. Pure cotton is an example of almost pure cellulose. Wood, straw, corn fodder, etc., are materials which are high in crude fiber content.

## WHAT ARE FOODS FOR ANIMALS ?

In order that an animal may continue to live even without making growth or producing wool, eggs, milk or work, etc., there are certain food materials which it must have. The animal must have a certain amount of protein, fat, carbohydrates, water and mineral constituents. In addition other things known as "vitamines", "growth promoting substances" or "food accessories", the chemical nature of which we know very little, are necessary. The latter substances, however, are usually present in sufficient quantities in our regular feeding-stuffs if we feed a sufficient variety and particularly if we feed a good leguminous roughage. Our feeding-stuffs usually contain mineral matter sufficient for the needs of an animal with a few exceptions, such as calcium carbonate, which we furnish as oyster shells for hens and phosphorus and calcium which is sometimes fed to dairy cattle and pigs in the form of bone meal. If alfalfa or clover is fed as a roughage they will aid very much in furnishing a proper mineral supply. *The protein, fat and carbohydrates are the foods which we are particularly interested in when we buy commercial feeding-stuffs and it is their content which largely determines the value of the feed.*

## DIGESTIBILITY IMPORTANT IN DETERMINING THE VALUE OF FEED

When fed, not all of the protein, carbohydrates, and fat in the different feeding-stuffs are digested. In comparing the value of the different types, we must take into consideration the digestibility of these food nutrients. The *coefficient of digestibility* is a term which expresses the percentage amount of the food nutrients which are digested and absorbed by the animal. Table No. 3 gives a summary of the average results for some of our common feeding-stuffs.

# TABLE 3

AVERAGE DIGESTIBILITY OF FEEDING STUFFS, WITH RUMINANTS EXPRESSED IN PERCENTAGE

(Taken from "Feeds and Feeding" by Henry and Morrison.)

| | Dry Matter | Protein | Crude Fiber | Nitrogen Free Extract | Fat |
|---|---|---|---|---|---|
| Corn Meal | 90 | 74 | 57 | 94 | 93 |
| Gluten Meal | 88 | 85 | 55 | 90 | 93 |
| Gluten Feed | 86 | 85 | 76 | 88 | 85 |
| Hominy Feed | 83 | 66 | 76 | 90 | 91 |
| Wheat Bran | 65 | 78 | 31 | 72 | 68 |
| Standard Wheat Middlings | .. | 77 | 30 | 78 | 88 |
| Barley | 88 | 78 | 56 | 92 | 78 |
| Oats | 70 | 78 | 35 | 81 | 87 |
| Buckwheat | 71 | 75 | 24 | 76 | 100 |
| Soybean Meal | .. | 92 | 99 | 100 | 68 |
| Linseed Meal (old process) | 79 | 89 | 57 | 78 | 89 |
| Linseed Meal (new process) | 81 | 86 | 73 | 87 | 95 |
| Cottonseed | 66 | 68 | 76 | 50 | 87 |
| Cottonseed Meal | 77 | 84 | 37 | 75 | 95 |
| Cottonseed Feed | 56 | 58 | 45 | 61 | 90 |
| Dried Brewers' Grain | 61 | 81 | 49 | 57 | 89 |
| Dried Beet Pulp | 75 | 52 | 83 | 83 | .. |
| Molasses Feeds | 68 | 61 | 50 | 79 | 100 |
| Flesh Meal | .. | 93 | .. | .. | 98 |
| Fish Meal | 71 | 78 | .. | .. | 100 |
| Timothy Hay | 55 | 48 | 50 | 62 | 50 |
| Barley Hay | 59 | 65 | 62 | 63 | 41 |
| Oat Hay | 54 | 54 | 52 | 56 | 61 |
| Alfalfa | 60 | 71 | 43 | 72 | 38 |
| Red Clover | 59 | 59 | 54 | 66 | 57 |
| Corn Silage Dent Immature | 64 | 53 | 68 | 66 | 71 |
| Corn Silage Dent Mature | 66 | 51 | 65 | 71 | 82 |

We have this data for the pure grains and feeds, but because the various proprietary feeds are not standardized there are no data available for them.

## HOW TO USE TABLE 3

Only the digestible nutrients are of value and so in comparing two feeds we should compare just the digestible nutrients. Suppose we had a cottonseed meal which analyzed 38 per cent protein. The table shows cottonseed protein to be 84 per cent digestible. We then would have 84/100 of 38 lbs., or 31.9 lbs. of digestible protein per 100 pounds. If a wheat bran analyzed 15 per cent protein we see from the table that it is 78 per cent digestible and we would have 78/100 of 15 or 11.7 lbs. of digestible protein. The cottonseed meal would have 31.9 lbs. compared with 11.7 in wheat bran.

## HOW TO FIGURE THE COMPARATIVE VALUE OF FEEDS FROM THE CHEMICAL ANALYSIS

Because such factors as palatability, quality of protein, digestibility, etc., play an important part in determining the value of feeding-stuffs it is difficult to make an exact comparison of their value from a chemical analysis. The analysis will, however, serve as a very valuable guide. Since the farmer can usually raise carbohydrates cheaper than he can purchase them, he is chiefly interested in buying the concentrated feeding-stuffs for their protein and fat content.

Feeds may be compared upon the basis of the number of pounds of protein and fat one dollar will buy. An example is as follows: Feed number 48 sells for $5.00 per 100 pounds and is guaranteed protein 25 per cent and fat 5 per cent. If it contains 25 per cent protein there are 25 pounds of protein in 100 pounds of feed costing $5.00. Then one dollar will buy 25 divided by 5, or 5 pounds of protein and 5 divided by 5 or 1 pound of fat. Feed number 239 sells for $2.40 per 100 pounds and is guaranteed 24 per cent protein and 5 per cent fat. Then one dollar buys 24 divided by 2.40 or 10 pounds of protein and 5 divided by 2.40 or 2.1 pounds of fat.

*In other words in feed number 239 the consumer received twice as much protein and more than twice as much fat per dollar as in feed number 48. These figures represent two feeds of the same type which were sold in New Hampshire in 1924.* In comparing feeds of the same class this method shows fairly accurately their relative value. When feeds of different types like a cottonseed meal and a hominy feed are compared the digestible protein figures should be compared and the carbohydrates must also be taken into consideration.

TABLE 4

| Class | No. of lbs. of Protein $1.00 will buy | No. of lbs. of Fat $1.00 will buy |
|---|---|---|
| Alfalfa Meal | 6.5 | 0.7 |
| Beet Pulp | 3.8 | 0.3 |
| Brewers' Grains | 10.0 | 2.9 |
| Calf Meal | 6.1 | 1.1 |
| Compounded Feed | 4.3 | 1.8 |
| Corn and Oat Feed | 3.9 | 1.6 |
| Cottonseed Meal | 13.3 | 2.3 |
| Dairy Feed | 8.4 | 2.0 |
| Gluten Feed | 9.7 | 1.1 |
| Hominy Feed | 4.5 | 2.5 |
| Linseed Meal | 12.0 | 2.4 |
| Oat Feed | 4.8 | 1.8 |
| Pig Feed | 6.9 | 1.7 |
| Poultry Feed | 8.1 | 2.1 |
| Wheat Feed | 7.9 | 2.4 |

## COMPARATIVE VALUE OF COTTONSEED MEALS

Twenty-seven samples of cottonseed meals were analyzed. Table 5 shows the number of samples analyzed under each percentage, the price per 100 pounds and the average number of pounds of protein that one dollar will buy in each case.

TABLE 5

COTTONSEED MEALS.

| Guaranteed Per Cent of Protein | Number of Samples | Average % of Protein Found | Average Price per 100 lbs. | No. Pounds Protein $1.00 will buy |
|---|---|---|---|---|
| 36 | 17 | 35.89 | 2.68 | 13.4 |
| 38 | 0 | ..... | .... | .... |
| 41 | 4 | 39.48 | 2.89 | 13.7 |
| 43 | 6 | 42.47 | 3.17 | 13.4 |

## READY MIXED FEEDS SHOULD BE PROPERLY BALANCED

In selecting a ready mixed feed such as a dairy feed it is well to examine the analysis and see that the feed is properly balanced for use with the kind of roughage which you feed. The Dairy Department of the University of New Hampshire recommend for use with a high protein roughage a feed containing 15 per cent crude digestible protein, for use with a medium protein roughage a feed containing 17 per cent crude digestible protein and for use with a low protein roughage a feed containing 19 per cent crude digestible protein. The analysis of a feeding-stuff shows the crude protein of which a portion is not digestible. While it is impossible to give an accurate figure for the digestibility of ready mixed feeds it will be approximate to assume that from 80 to 85 per cent of the crude protein is digestible. On such a basis for use with a high protein roughage a ready mixed dairy feed should contain at least 17.5 per cent protein with a medium protein roughage at least 20 per cent protein and with a low protein roughage at least 22 per cent protein.

## IMPORTANCE OF ALFALFA AND CLOVER

Recent studies in animal nutrition and feeding trials have led to discoveries which have a very important bearing upon practical feeding. It has been shown for instance that not all proteins are of equal value, that our feeds may be deficient in

certain mineral elements particularly phosphorous and calcium and that certain substances known as vitamines are essential for the proper development of animals.

If dairy cattle or swine are fed certain concentrated feeding-stuffs with a poor roughage such as corn stover, straw, or possibly native hay, the feeding value of the concentrates is not nearly so great as when the animals are in pasture or are fed a good leguminous roughage such as clover or alfalfa. The reason for this may be that the concentrated feeding-stuffs do not contain the proper vitamines, sufficient of the proper mineral elements or the proper proteins. If on the other hand good alfalfa or clover and silage are fed as roughage these deficiencies in the ration will be taken care of. *Grow good quality roughage! It will make the feeding-stuffs which you buy more valuable!*

## REQUESTS FOR ANALYSIS OF FEEDS

The Department is frequently asked to make analysis of samples of feeds for individuals. This they are always glad to do when the circumstances warrant it. It must be pointed out, however, that the privilege is sometimes abused. Many of these samples apparently represent only a handful of feed taken from one bag and are sent to the Department carelessly wrapped in paper or in a pasteboard box from which most of the fine material may have been lost. The analysis of these samples requires the same expenditure of labor and materials as the analysis of an official sample; yet the figures obtained may be worse than worthless if the sample examined does not accurately represent the lot from which it was taken.

On account of the expense involved in making these analyses and also the possibility under present conditions of the figures obtained being unreliable the Department wishes to suggest; first, that in cases where the amount of feed is less than one ton that instead of sending a sample for analysis that the consumer write us asking our findings on the last official sample of this feed which we have analyzed; and second, that where the amount of feed is more than one ton that a sample be taken from at least ten per cent of the bags in a manner that will insure its being

accurately representative of the whole of it. In order that the analysis may be of value to the Department as well as to the individual we request that the following information on each sample be submitted: brand, manufacturer, address, guarantee: protein, fat, carbohydrates, moisture, ash, crude fiber, ingredients, dealer, address, number of bags in lot, number of bags sampled, price per 100 pounds, your name, address, your reason for requesting analysis.

## SOME SUGGESTIONS IN PURCHASING FEEDS

1. Compare the cost of feeds with their analysis even within the same class and buy the feeds which offer the greatest value for the dollar.

2. Beware of misleading brand names indicating unusual feeding value. Let the analysis rather than the brand name be your guide.

3. If you grow legumes or high protein crops for roughage you will need to buy less of the expensive protein feeds and the feeding-stuffs which you buy will have a higher feed value.

4. A good feed is high in protein and fat or carbohydrates and low in crude fiber.

5. A poor feed is low in protein and fat and high in crude fiber.

6. If you buy a ready mixed feed be sure that it is of the proper analysis to meet your needs.

The following definitions and standards of feeding-stuffs are those adopted by the Association of Feed Control Officials.

## DEFINITIONS OF FEEDING-STUFFS

*Meal* is the clean, sound, ground product of the entire grain, cereal or seed which it purports to represent.

*Chop* is a ground or chopped feed composed of one or more different cereals or by-products thereof. If it bears a name de-

scriptive of the kind of cereals, it must be made exclusively of the entire grains of those cereals.

*Ear Corn Chops* is corn and cob, chopped, without the husk, with not a greater proportion of cob than occurs in the ear corn in its natural state.

*Head Chops* consists of the entire head of the grain sorghums, chopped, and should bear the name of the sorghum from which it is made. This includes, among others, kafir head chops, milo head chops, feterita head chops and sorghum head chops.

*Head Stems* consists of the head of the grain sorghums, from which the grain has been removed, and should bear the name of the sorghum from which it is made.

*Chopped Alfalfa* is the entire alfalfa hay, chopped and not ground finely enough to become a meal. It must not contain an admixture of alfalfa straw or other foreign material.

*Alfalfa* meal is the entire alfalfa hay ground and does not contain an admixture of ground alfalfa straw or other foreign materials.

## ANIMAL PRODUCTS

*Blood meal* is ground dried blood.

*Cracklings* are the residue after partially extracting the fats and oils from the animal tissues. If they bear a name descriptive of their kind, composition or origin, they must correspond thereto.

*Digester Tankage* is the residue from animal tissue, exclusive of hoof and horn, specially prepared for feeding purposes by tanking under live steam, drying under high heat, and suitable grinding, and contains less than 10 per cent phosphoric acid ($P^2 O^5$).

*Digester Meat and Bone Tankage* is the residue from animal tissues, exclusive of hoof and horn, specially prepared for feeding purposes by tanking under live steam, drying under

high heat, and suitable grinding, and contains more than 10 per cent phosphoric acid ($P^2 O^5$).

*Meat Scrap and Meat Meal* are the ground residues from animal tissues, exclusive of hoof and horn, and contains less than 10 per cent phosphoric acid ($P^2 O^5$). If they bear a name descriptive of their kind, composition or origin, they must correspond thereto.

*Meat and Bone Scrap and Meat and Bone Meal* are the ground residues from animal tissues, exclusive of hoof and horn, and contains more than 10 per cent phosphoric acid ($P^2 O^5$). If they bear a name descriptive of their kind, composition or origin, they must correspond thereto.

## BARLEY PRODUCTS

*Barley Hulls* are the outer coverings of the barley.

*Barley Feed* is the entire by-product resulting from the manufacture of pearl barley from clean barley.

*Barley Mixed Feed* is the entire offal from the milling of barley flour from clean barley and is composed of barley hulls and barley middlings.

*Ground Barley* is the entire product obtained by grinding clean sound barley, containing not less than 90 per cent pure barley and not more than 10 per cent of other grains, weed seeds and other foreign material and not more than 6 per cent fiber. Provided that no portion of this stated 10 per cent of other grains, weed seeds or other foreign material shall be deliberately added.

*Mixed Feed Barley* is the entire product obtained by grinding country run barley containing not less than 75 per cent pure barley and not more than 25 per cent of other grains, weed seeds and other foreign material. Provided that no portion of this stated 25 per cent of other grains, weed seeds or foreign material shall be deliberately added. The ingredients must be stated as barley, other grains, weed seeds and other foreign material.

## BREWERS' AND DISTILLERS' PRODUCTS

*Brewers' Dried Grains* are the properly dried residue from cereals obtained in the manufacture of beer.

*Distillers' Dried Grains* are the dried residue from cereals obtained in the manufacture of alcohol and distilled liquors. The product shall bear the designation indicating the cereal predominating.

*Distillers' Corn Solubles,* a by-product from the manufacture of alcohol from corn, is a mash liquor concentrated after the removal of the alcohol and wet grains.

*Distillers' Corn and Rye Solubles,* a by-product from the manufacture of alcohol from corn and rye, is a mash liquor concentrated after the removal of the alcohol and wet grains.

*Distillers' Rye Solubles,* a by-product from the manufacture of alcohol from rye, is a mash liquor concentrated after the removal of the alcohol and wet grains.

*Malt Sprouts* are the sprouts of the barley grain obtained in the malting process. Sprouts derived from any other malted cereal must be designated by the name of that cereal.

## BUCKWHEAT PRODUCTS

*Buckwheat Shorts or Buckwheat Middlings* are that portion of the buckwheat grain immediately inside of the hull after separation from the flour.

## CORN PRODUCTS

*Corn Bran* is the outer coating of the corn kernel.

*Corn Feed Meal* is the by-product obtained in the manufacture of cracked corn, with or without aspiration products added to the siftings. This name is also correctly applied to the by-product obtained in the manufacture of table meal from the whole grain by the non-degerminating process.

*Corn Germ Cake* is the product obtained in the manufacture of starch, glucose and other corn products and consists of the germ from which part of the corn oil has been extracted.

*Corn Germ Meal* is ground corn germ cake.

*Grits* are the hard, flinty portions of Indian corn containing no bran or germ.

*Corn Gluten Meal* is that part of commercial shelled corn that remains after the separation of the larger part of the starch, the germ and the bran, by the processes employed in the manufacture of cornstarch and glucose. It may or may not contain corn solubles.

*Corn Gluten Feed* is that portion of commercial shelled corn that remains after the separation of the larger part of the starch and the germs by the processes employed in the manufacture of cornstarch and glucose. It may or may not contain corn solubles.

*Maltose Process Corn Gluten Feed* is the dried residue from degermed corn, after removal of starch in the manufacture of malt syrup.

*Hominy Feed, Hominy Meal or Hominy Chop* is the kiln-dried mixture of the mill run bran coating, the mill run germ, with or without a partial extraction of the oil and a part of the starchy portion of the white corn kernel obtained in the manufacture of hominy, hominy grits and corn meal by the degerminating process.

*Yellow Hominy Feed, Yellow Hominy Meal or Yellow Hominy Chop* is a kiln-dried mixture of the mill-run bran coating, the mill-run germ, with or without a partial extraction of the oil and a part of the starchy portion of the yellow corn kernel obtained in the manufacture of yellow hominy grits and yellow corn meal by the degerminating process.

## OIL CAKE

*Oil-Cake* is the product obtained after the extraction of part of the oil by crushing, cooking and hydraulic pressure, or by

crushing, heating and the use of solvents from seeds which have been screened and cleaned of weed seeds and other foreign materials by the most improved commercial processes. When used alone the term "Oil Cake" shall be understood to designate linseed cake as defined. When used to cover any other product the name of the seed from which it is obtained shall be prefixed to the words "Oil Cake".

*Oil Meal or Ground Oil Cake* is oil cake ground to a meal.

## COTTONSEED PRODUCTS

*Cottonseed Meal* is a product of the cottonseed only, composed principally of the kernel with such portion of the hull as is necessary in the manufacture of oil; provided, that nothing shall be recognized as cottonseed meal that does not conform to the foregoing definition and that does not contain at least 36 per cent of protein.

*41.12 Per Cent Protein Cottonseed Meal,* Choice Quality, must be finely ground, not necessarily bolted, perfectly sound and sweet in odor, yellow, free from excess of lint, and must contain at least 41.12 per cent crude protein, equivalent to 8 per cent of ammonia.

Cottonseed meal not fulfilling, the above requirements as to color, odor or texture, shall be branded Off Quality.

*38.56 Per Cent Protein Cottonseed Meal,* Prime Quality, must be finely ground, not necessarily bolted, of sweet odor, reasonably bright in color, yellow not brown or reddish, free from excess of lint, and must contain at least 38.56 per cent crude protein equivalent to 7 1/2 per cent of ammounia.

Cottonseed Meal not fulfilling the above requirements as to color, odor or texture, shall be branded Off Quality.

*36 Per Cent Protein Cottonseed Meal,* Good Quality, must be finely ground, not necessarily bolted, of sweet odor, reasonably bright in color, free from excess lint and must contain at least 36 per cent crude protein equivalent to 7 per cent of ammounia.

Cottonseed Meal not fulfilling the above requirements as to color, odor or texture, shall be branded Off Quality.

*Cottonseed Feed* is a mixture of cottonseed meal and cottonseed hulls, containing less than 36 per cent of protein.

*Cold Pressed Cottonseed* is the product obtained from the subjection of the whole undecorticated cottonseed to the cold pressure process for the extraction of oil and includes the entire cottonseed less the oil extracted.

*Ground Cold Pressed Cottonseed* is the product obtained by grinding cold pressed cottonseed.

## LINSEED AND FLAX PRODUCTS

*Linseed Cake or Meal* is oil cake or meal made from flaxseed, provided that the final product shall contain less than 6 per cent of weed seeds and other foreign materials and, provided, further that no portion of the stated 6 per cent of weed seeds and other foreign materials shall be deliberately added.

*Old Process Oil Meal, Old Process Linseed Meal* is oil meal as defined or linseed meal as defined produced by crushing, cooking and hydraulic pressure.

*New Process Oil Meal, New Process Linseed Meal* is oil meal as defined or linseed meal as defined produced by crushing, heating and the use of solvents.

*Flax Plant By-Product* is that portion of the flax plant remaining after the separation of the seed, the bast fiber and a portion of the shives, and consists of flax shives, flax pods, broken and immature flax seeds, and the cortical tissues of the stem.

*Ground Flaxseed or Flaxseed Meal* is the product obtained by grinding flaxseed which has been screened and cleaned of weed seeds and other foreign materials by the most improved commercial processes, provided that the final product shall contain less than four per cent of weed seeds and other foreign materials, and provided further that no portion of the stated four per cent of weed seeds and other foreign materials shall be deliberately added.

*Unscreened Flaxseed Oil Feed Cake* is the product obtained by extraction of part of the oil from unscreened flaxseed by crushing, cooking and hydraulic pressure, or by crushing, heating and the use of solvents. The ingredients shall be stated as partially extracted flaxseed and foreign seeds—wheat, wild buckwheat, pigeon grass, wild mustard, etc.

*Ground Unscreened Flaxseed Oil Feed* is the ground unscreened flaxseed oil feed cake.

*Screenings Oil Feed* is the ground product obtained after extraction of part of the oil by crushing, cooking and hydraulic pressure, or by crushing, heating and the use of solvents from the smaller imperfect grains, weed seeds and other foreign materials, having feeding value, separated in cleaning the grain. The name of the grain from which the screenings are separated shall be prefixed to "screenings oil feed".

## OAT PRODUCTS

*Oat Groats* are the kernels of the oat.

*Oat Hulls* are the outer coverings of the oat.

*Oat Middlings* are the floury portions of the oat groat obtained in the milling of rolled oats.

*Oat Shorts* are the covering of the oat grain lying immediately inside the hull, being a fuzzy material carrying with it considerable portions of the fine floury part of the groat obtained in the milling of rolled oats.

*Clipped Oat By-Product* is the by-product obtained in the manufacture of clipped oats. It may contain the light chaffy material broken from the end of the hulls, empty hulls, light, immature oats and dust. It must not contain an excessive amount of oat hulls.

## PEANUT PRODUCTS

*Peanut Oil Cake* is the residue after the extraction of part of the oil by pressure or solvents from peanut kernels.

*Peanut Oil Meal* is ground peanut oil cake.

*Unhulled Peanut Oil Feed* is the ground residue obtained after extraction of part of the oil from whole peanuts, and the ingredients shall be designated as *Peanut Meal and Hulls.*

## RICE PRODUCTS

*Rice Bran* is the pericarp or bran layer of the rice, with only such quantity of hull fragments as is unavoidable in the regular milling of rice.

*Rice Hulls* are the outer coverings of the rice.

*Rice Polish* is the finely powdered material obtained in polishing the kernel.

## RYE PRODUCTS

*Rye Middlings or Rye Feed* is the by-product obtained from the manufacture of ordinary "100 per cent" rye flour from cleaned and scoured rye grain.

*Rye Red Dog* is a mixture of low-grade flour, fine particles of bran and the fibrous offal from the "tail of the mill."

## VELVET BEAN PRODUCTS

*Velvet Bran Meal* is ground velvet beans containing only an unavoidable trace of hulls or pods.

*Ground Velvet Bean and Pod* is the product derived by grinding velvet beans "in the pod." It contains no additional pods or other materials.

## WHEAT PRODUCTS

*Wheat Bran* is the coarse outer covering of the wheat kernel as separated from cleaned and scoured wheat in the usual process of commercial milling.

*Standard Millings* consists mostly of fine particles of bran, germ and very little of the fibrous offal obtained from the "tail

of the mill." This product must be obtained in the usual commercial process of milling and shall not contain more than 9.5 per cent crude fiber.

*Flour Middlings* shall consist of standard middlings and red dog flour combined in the proportions obtained in the usual process of milling and shall not contain more than 6 per cent crude fiber.

*Red Dog Flour* consists of a mixture of low-grade flour, fine particles of bran and the fibrous offal from the "tail of the mill" and shall not contain more than 4 per cent crude fiber.

*Brown Shorts* (Red Shorts) consists mostly of the fine particles of bran, germ and very little of the fibrous offal obtained from the "tail of the mill." This product must be obtained in the usual commercial process of milling.

*Gray Shorts* (Gray Middlings or Total Shorts) consists of the fine particles of the outer bran, the inner bran or bee-wing bran, the germ and the offal or fibrous materials obtained from the "tail of the mill." This product must be obtained in the usual process of commercial milling.

*White Shorts or White Middlings* consists of a small portion of the fine bran particles and the germ and a large portion of the fibrous offal obtained from the "tail of the mill." This product must be obtained in the usual process of flour milling.

*Wheat Mixed Feed* (Mill Run Wheat Feed) consists of pure wheat bran and the gray or total shorts of flour middlings combined in the proportions obtained in the usual process of commercial milling.

*Wheat Bran and Standard Middlings* consists of the two commodities as defined above, mixed in the proportions obtained in the usual process of commercial milling.

*Screenings* consists of the smaller imperfect grains, weed seeds and other foreign materials, having feeding value, separated in cleaning the grain.

*Scourings* consist of such portions of the cuticle, brush, white caps, dust, smut and other materials as are separated from the grain in the usual commercial process of scouring.

*Note.* If to any of the wheat or rye by-product feeds there should be added screenings or scourings—as above defined either ground or unground, bolted or unbolted, such brand shall be so registered, labeled and sold as clearly to indicate this fact. The word "Screenings" or "Scourings" as the case may be, shall appear as a part of the name or brand and shall be printed in the same size and face of type as the remainder of the brand name. When the word "Screenings" appears it is not necessary to show also on the label the word "Scourings".

## MISCELLANEOUS PRODUCTS

*Dried Beet Pulp* is the dried residue from sugar beets which have been cleaned and freed from crowns, leaves and sand, and which have been extracted in the process of manufacturing sugar.

*Cocoanut Oil Meal or "Copra Oil Meal"* is the ground residue from the extraction of part of the oil from the dried meat of the cocoanut.

*Fish Meal* is the clean, dried ground tissues of the undecomposed fish, with or without the extraction of part of the oil.

*Fish Residue Meal* is the clean undecomposed residue from the manufacture of glue or other fishery products from non-oily fish.

*Palm Kernel Oil Meal* is the ground residue from the extraction of part of the oil by pressure or solvents from the kernel of the fruit of Elaeis guineensis or Elaeis malanococca.

## *TENTATIVE STANDARDS FOR WHEAT MILL FEEDS

| | Fiber (Max.) |
|---|---|
| Brown Shorts | 6.5% |
| Gray Shorts | 5.5 |
| White Shorts | 3.5 |
| Wheat Mixed Feed | 8.5 |
| Hard Wheat Mixed Feed | 9.5 |

*With or without screenings.

| Brand and name and address of manufacturer | | Pounds in 100 lbs. of Feed Stuff | | | | | | Certified by manufacturer to contain |
|---|---|---|---|---|---|---|---|---|
| | | Protein | Fat | Carbo-hydrates | Ash | Moist-ure | Crude Fiber | |
| **ALFALFA MEAL** | | | | | | | | |
| Alfalfa Meal<br>Denver Alfalfa Milling and Products Co.<br>Lamar, Col. | G.<br>F. | 12.00<br>14.10 | 1.00<br>1.52 | 40.00<br>67.01 | ....<br>7.98 | ....<br>9.39 | 35.00<br>..... | Alfalfa hay. |
| Otto Weiss Alfalfa Meal<br>Otto Weiss Milling Co.<br>Wichita, Kansas | G.<br>F. | 12.00<br>13.45 | 1.00<br>1.78 | 70.00<br>69.09 | ....<br>7.71 | ....<br>7.97 | 35.00<br>..... | Ground alfalfa hay. |
| Alfalfa Meal<br>Pecos Valley Alfalfa Mill Co.<br>Hagerman, New Mexico | G.<br>F. | 12.00<br>15.55 | 1.50<br>1.69 | 40.00<br>67.04 | ....<br>8.49 | ....<br>7.23 | 35.00<br>..... | Made from alfalfa hay. |
| California Alfalfa Meal<br>A. W. Scott Co.<br>San Francisco, Cal. | G.<br>F. | 16.00<br>16.38 | 2.00<br>1.47 | 40.00<br>64.88 | ....<br>8.78 | ....<br>8.49 | 30.00<br>..... | Ground from selected alfalfa hay. |
| **BEET PULP** | | | | | | | | |
| Dried Beet Pulp<br>Dominion Sugar Co., Ltd.<br>Kitchener, Can. | G.<br>F. | 8.00<br>8.67 | 0.50<br>0.56 | 76.00<br>78.78 | ....<br>3.03 | ....<br>8.96 | 20.00<br>..... | |
| Dried Beet Pulp<br>Great Western Sugar Co.<br>Denver, Col. | G.<br>F. | 8.00<br>9.33 | 0.50<br>0.50 | 76.00<br>79.18 | ....<br>3.05 | ....<br>7.94 | 20.00<br>..... | Composed only of residue of sugar beets dried after extraction of sugar. |
| Dried Beet Pulp<br>Larrowe Milling Co.<br>Detroit, Mich. | G.<br>F. | 8.00<br>9.53 | 0.50<br>0.84 | 76.00<br>74.99 | ....<br>2.49 | ....<br>12.15 | 20.00<br>..... | Residue of sugar beets dried after extraction of sugar. |
| Dried Beet Pulp<br>Ubiko Milling Co.<br>Cincinnati, Ohio | G.<br>F. | 8.00<br>8.80 | 0.50<br>0.52 | 60.00<br>80.25 | ....<br>2.80 | ....<br>7.63 | 20.00<br>..... | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BREWERS' GRAINS | | | | | | | | |
| Bull Brand Dried Brewers' Grains..... | G. | 22.00 | 6.00 | ..... | .... | .... | 15.00 | |
| Farmers Feed Co..... | F. | 22.90 | 6.86 | 58.96 | 3.27 | 8.01 | ..... | |
| Buffalo, N. Y. | | | | | | | | |
| Brewers' Dried Grains..... | G. | 21.00 | 5.00 | 50.00 | .... | .... | 16.00 | |
| St. Albans Grain Co..... | F. | 23.14 | 6.65 | 60.05 | 3.48 | 6.68 | ..... | |
| St. Albans, Vt. | | | | | | | | |
| CALF MEAL | | | | | | | | |
| Blatchford's Calf Meal..... | G. | 24.00 | 5.00 | 53.00 | .... | .... | 6.75 | Locust bean meal, unpressed flaxseed, blood flour, rice polish, old process linseed meal, dried milk albumen, barley meal, ground beans, cocoa shell meal wheat flour, cocoanut oil meal, recleaned cotton seed meal, fenugreek, anise and salt. |
| Blatchford Calf Meal Co..... | F. | 24.08 | 5.00 | 54.05 | 6.04 | 10.83 | 4.97 | |
| Waukegan, Ill. | | | | | | | | |
| Purina Calf Chow Feed..... | G. | 27.00 | 3.20 | 55.00 | .... | .... | 4.50 | Blood flour, linseed meal, hominy feed, yellow corn feed meal, wheat flour and 1% salt. |
| Ralston Purina Co..... | F. | 25.65 | 4.26 | 55.08 | 3.82 | 11.19 | 3.47 | |
| Buffalo, N. Y. | | | | | | | | |
| Ryde's Cream Calf Meal..... | G. | 25.00 | 5.00 | 55.00 | 4.75 | .... | 6.75 | Wheat flour, linseed oil meal, recleaned cottonseed meal, cocoanut oil meal, beans, lentils, hominy feed, locust bean meal, blood flour, ground flaxseed, malt flour, cocoa shell meal, dried milk, calcium carbonate, fenugreek, anise and salt. |
| Ryde and Co..... | F. | 25.48 | 4.51 | 53.36 | 6.01 | 10.64 | 5.96 | |
| Chicago, Ill. | | | | | | | | |
| COMPOUNDED FEED | | | | | | | | |
| Armour's Steam Cooked Feed..... | G. | 9.00 | 4.00 | 64.00 | .... | .... | 9.00 | Ground oats, ground corn, hominy feed, oat hulls, oat shorts, ½ of 1% salt. |
| Armour Grain Co..... | F. | 9.96 | 3.84 | 70.92 | 5.75 | 9.53 | 11.17 | |
| Chicago, Ill. | | | | | | | | |
| Pennant Brand Stock Feed..... | G. | 9.00 | 5.00 | 60.00 | .... | .... | 12.00 | Fine white hominy, oat by-products, oat middlings, oat hulls and oat shorts. |
| E. W. Bailey & Co..... | F. | 10.07 | 5.48 | 72.13 | 3.63 | 8.69 | 11.49 | |
| Swanton, Vt. | | | | | | | | |
| Pennant Stock Feed..... | G. | 10.00 | 6.50 | ..... | .... | .... | 10.00 | Fine white hominy and oat by-products, oat middlings, oat hulls, oat shorts, ½ of 1% salt. |
| E. W. Bailey & Co..... | F. | 8.89 | 5.35 | 73.45 | 3.42 | 8.89 | 9.04 | |
| Swanton, Vt. | | | | | | | | |

| Brand and name and address of manufacturer | | Pounds in 100 lbs. of Feed Stuff | | | | | | Certified by manufacturer to contain |
|---|---|---|---|---|---|---|---|---|
| | | Protein | Fat | Carbo-hydrates | Ash | Moist-ure | Crude Fiber | |
| Cloverdale Horse Feed | G. | 9.00 | 2.50 | 60.00 | .... | .... | 11.00 | Cracked corn, oats, alfalfa meal, molasses, ½ of 1% salt. |
| Clover Leaf Milling Co. Buffalo, N. Y. | F. | 10.16 | 3.86 | 69.97 | 3.06 | 12.95 | 10.17 | |
| Clover Leaf Stock Feed | G. | 9.00 | 3.50 | 60.00 | .... | .... | 12.00 | Hominy feed, corn feed meal, flour middlings, oat meal mill by-products, oat middlings, oat hulls, oat shorts, ½ of 1% salt. |
| Clover Leaf Milling Co. Buffalo, N. Y. | F. | 8.20 | 3.46 | 74.87 | 3.70 | 9.77 | 11.96 | |
| Corn-Pro Horse and Mule Feed | G. | 9.00 | 2.50 | 60.00 | .... | .... | 10.00 | Cracked corn, rolled oats, barley, alfalfa meal, molasses, salt. |
| Corn Products Refining Co. New York, N. Y. | F. | 9.46 | 2.98 | 73.08 | 4.94 | 9.54 | 9.16 | |
| Climax Stock Feed | G. | 8.75 | 3.50 | ..... | .... | .... | 8.00 | Corn, oats, barley and oat feed. |
| E. A. Cowee Co. Fitchburg, Mass. | F. | 8.19 | 2.97 | 74.55 | 3.51 | 10.78 | 12.24 | |
| Cowee's Stock Feed | G. | 9.00 | 4.00 | 45.00 | .... | .... | 10.00 | Ground oats, hominy feed, barley, oat meal mill by-products, oat middlings, oat shorts, oat hulls, ½ of 1% salt. |
| E. A. Cowee Co. Fitchburg, Mass. | F. | 7.84 | 3.46 | 76.71 | 3.68 | 8.31 | 13.78 | |
| Cushing Stock Feed | G. | 10.00 | 3.00 | 50.00 | .... | .... | 10.00 | Corn feed meal, wheat middlings, hominy feed, oat meal mill by-products, oat middlings, oat hulls, oat shorts, ground barley, ground oats. |
| J. Cushing Co. Fitchburg, Mass. | F. | 10.38 | 3.03 | 73.37 | 3.67 | 9.55 | 10.00 | |
| Steam Cooked Horse Feed | G. | 9.50 | 4.00 | 50.00 | .... | .... | 4.00 | Rolled oats and crushed corn. |
| J. Cushing Co. Fitchburg, Mass. | F. | 11.12 | 4.54 | 73.44 | 2.14 | 8.76 | 4.00 | |
| Vigor Horse Feed | G. | 9.00 | 2.50 | 50.00 | .... | .... | 10.00 | Cracked corn, crushed oats, cane molasses, alfalfa meal, ½ of 1% salt. |
| J. Cushing Co. Fitchburg, Mass. | F. | 9.28 | 3.63 | 71.59 | 4.43 | 11.07 | 9.75 | |
| Vigor Sugared Stock Feed | G. | 10.00 | 3.25 | 50.00 | .... | .... | 11.00 | Corn feed meal, wheat middlings, hominy feed, soy-bean meal, cane molasses, oat meal mill by-products, oat middlings, oat hulls, oat shorts. |
| J. Cushing Co. Fitchburg, Mass. | F. | 10.33 | 2.90 | 72.30 | 4.52 | 9.95 | 12.89 | |

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|---|---|---|---|---|---|---|---|---|
| Lancaster Stock Feed<br>John W. Eshelman & Sons<br>Lancaster, Pa. | G.<br>F. | 10.00<br>9.06 | 3.00<br>4.46 | 50.00<br>72.26 | ....<br>3.58 | ....<br>10.64 | 10.00<br>10.86 | Corn feed meal, wheat middlings, hominy feed, ground barley,ground oats, oat meal mill by-products, oat middlings, oat hulls, oat shorts, ½ of 1% salt. |
| Grandin's Stock Feed<br>D. H. Grandin Milling Co.<br>Jamestown, N. Y. | G.<br>F. | 9.00<br>9.70 | 5.00<br>4.27 | 55.00<br>73.70 | ....<br>3.38 | ....<br>8.95 | 12.00<br>11.06 | Corn meal, corn feed meal, hominy feed, wheat middlings, ground barley, oat meal mill by-products, oat middlings, oat hulls, oat shorts, ½ of 1% salt. |
| Granite State Stock Feed<br>E. C. & W. L. Hopkins<br>Greenfield, N. H. | G.<br>F. | 9.00<br>9.57 | 5.00<br>6.17 | 60.00<br>71.68 | ....<br>3.49 | ....<br>9.09 | 10.00<br>10.00 | Fine white hominy, red dog, oat by-products, oat middlings, oat hulls, oat shorts, ½ of 1% salt. |
| Our Special Stock Feed<br>E. C. & W. L. Hopkins<br>Greenfield, N. H. | G.<br>F. | 8.00<br>7.14 | 3.00<br>2.70 | 70.00<br>76.59 | ....<br>3.43 | ....<br>10.14 | 13.50<br>12.71 | Ground corn or hominy meal, oat middlings, oat meal mill by-products, oat shorts, oat hulls, ½ of 1% salt. |
| Homestead Stock Feed<br>Illinois Feed & Elevator Co.<br>Bloomington, Ill. | G.<br>F. | 9.00<br>7.84 | 3.25<br>2.76 | 50.00<br>75.25 | ....<br>3.15 | ....<br>11.00 | 9.00<br>10.47 | Whole ground corn, whole ground oats, hominy feed, oat mill by-products, oat middlings, oat flour, oat hulls. |
| International Dan Patch<br>Special Horse Feed<br>International Sugar Feed Co.<br>Minneapolis, Minn. | G.<br>F. | 9.00<br>12.02 | 3.00<br>3.00 | 55.00<br>69.32 | ....<br>5.97 | ....<br>9.69 | 12.00<br>11.14 | Oats, cracked corn, alfalfa, molasses, 1% salt. |
| Monopoly<br>Chas. A. Krouse Milling Co.<br>Milwaukee, Wis. | G.<br>F. | 9.00<br>10.12 | 3.50<br>3.57 | .....<br>74.89 | ....<br>3.00 | ....<br>8.42 | 10.00<br>9.14 | Ground oats and corn, Badger hominy feed, oat meal mill by-products, oat hulls, oat middlings, oat shorts, salt. |
| Sugared Badger Stock Feed<br>Chas. A. Krouse Milling Co.<br>Milwaukee, Wis. | G.<br>F. | 9.00<br>9.46 | 3.00<br>3.08 | .....<br>73.72 | ....<br>4.67 | ....<br>9.07 | 10.00<br>9.92 | Badger hominy feed, cottonseed meal, ground corn, oat meal mill by-products, oat hulls, oat middlings, oat shorts, molasses, salt. |
| Stock Feed<br>McQuesten & Lewis<br>Manchester, N. H. | G.<br>F. | 12.00<br>10.86 | 3.00<br>3.69 | 60.00<br>70.87 | ....<br>3.11 | ....<br>11.47 | 12.00<br>8.37 | Ground corn, hominy feed, linseed oil meal, ground barley, low grade wheat flour, wheat bran and wheat middlings, gluten meal, oat hulls, ¾ of 1% salt. |
| Merrimack Stock Feed<br>Merrimack Farmers' Exchange<br>Concord, N. H. | G.<br>F. | 9.00<br>9.15 | 4.00<br>4.58 | 55.00<br>75.30 | ....<br>3.33 | ....<br>7.64 | 11.00<br>10.08 | Ground white hominy, ground oats, oat meal mill by-product, oat middlings, oat shorts, oat hulls, ½ of 1% salt. |

| Brand and name and address of manufacturer | | Pounds in 100 lbs. of Feed Stuff | | | | | | Certified by manufacturer to contain |
|---|---|---|---|---|---|---|---|---|
| | | Protein | Fat | Carbo-hydrates | Ash | Moist-ure | Crude Fiber | |
| Faramel Horse Feed<br>Nowak Milling Corp.<br>Buffalo, N. Y. | G.<br>F. | 9.00<br>10.29 | 3.00<br>3.68 | .....<br>73.04 | ....<br>2.91 | ....<br>10.08 | 7.00<br>6.96 | Cracked corn, crushed oats, wheat bran, which may contain ground grain screenings not exceeding mill run, and molasses. |
| Fidelity Stock Feed<br>Nowak Milling Corp.<br>Buffalo, N. Y. | G.<br>F. | 8.00<br>7.70 | 3.00<br>3.00 | .....<br>75.52 | ....<br>3.74 | ....<br>10.04 | 12.00<br>11.67 | Ground oats, corn feed meal, hominy feed, wheat middlings, ½ of 1% salt, oat feed, oat middlings, oat shorts, oat hulls. |
| Money Maker<br>Park & Pollard Co.<br>Boston, Mass. | G.<br>F. | 10.00<br>12.58 | 5.00<br>5.79 | 50.00<br>64.36 | ....<br>7.68 | ....<br>9.59 | 12.00<br>9.79 | Ground clipped oat by-product, molasses, fine ground grain screenings, cocoa shell meal, calcium carbonate, and salt. |
| Stock Feed<br>Park & Pollard Co.<br>Boston, Mass. | G.<br>F. | 8.00<br>9.07 | 2.50<br>5.02 | 50.00<br>70.73 | ....<br>5.47 | ....<br>9.71 | 12.00<br>9.16 | Ground barley, ground oats, ground corn, hominy feed, oat hulls, oat middlings, oat shorts, calcium carbonate and salt. |
| Iowa Stock Feed<br>Purity Oats Company<br>Chicago, Ill. | G.<br>F. | 10.00<br>8.76 | 5.50<br>3.48 | 58.50<br>75.80 | ....<br>3.38 | ....<br>8.58 | 12.00<br>10.16 | White hominy feed, red dog flour, re-ground oat feed and salt. |
| Tom Boy Stock Feed<br>Purity Oats Company<br>Chicago, Ill. | G.<br>F. | 9.50<br>10.03 | 4.00<br>4.00 | 60.00<br>72.61 | ....<br>4.67 | ....<br>8.69 | 13.25<br>11.96 | Hominy feed, wheat middlings, oat meal mill by-products, oat middlings, oat hulls, oat shorts, cotton seed meal, yellow hominy feed, corn meal, linseed oil meal and molasses. |
| Richford White Diamond Stock Feed<br>Quaker Oats Company<br>Chicago, Ill. | G.<br>F. | 8.00<br>8.80 | 3.00<br>4.07 | 60.00<br>76.04 | ....<br>3.64 | ....<br>7.45 | 14.00<br>12.06 | Ground corn, hominy feed, barley feed, oat meal mill by-products, oat middlings, oat hulls, oat shorts, ¾ of 1% salt. |
| Sugared Schumacker Feed<br>Quaker Oats Co.<br>Chicago, Ill. | G.<br>F. | 10.00<br>10.55 | 3.25<br>4.21 | 58.00<br>71.03 | ....<br>4.09 | ....<br>9.52 | 12.00<br>10.88 | Ground corn, hominy feed, yellow hominy, barley meal, molasses, cotton seed meal, old process linseed oil meal, low grade wheat flour, wheat middlings, with ground wheat screenings not exceeding mill run, oat meal mill by-products, oat middlings, oat hulls, oat shorts, ¾ of 1% salt. |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Purina O-Molene Feed | G. | 9.70 | 3.20 | 67.00 | .... | .... | 8.00 | Cracked corn, crushed oats, ground alfalfa, molasses, linseed oil meal, old process, 1% salt. |
| Ralston Purina Co. | F. | 10.42 | 4.22 | 69.91 | 3.99 | 11.46 | 8.00 | |
| St. Louis, Mo. | | | | | | | | |
| New Hampshire Stock Feed for Work Horses | G. | 13.00 | 4.50 | 65.00 | .... | .... | 9.00 | Ground fancy oats, hominy, bran, oil meal. |
| Rockingham County Farmers' Exchange | F. | 12.41 | 4.31 | 69.27 | 2.57 | 11.44 | 5.82 | |
| Epping, N. H. | | | | | | | | |
| New Hampshire Stock Feed No 2... | G. | 9.00 | 4.00 | 60.00 | .... | .... | 7.00 | Hominy, red dog, oat feed. |
| Rockingham County Farmers' Exchange | F. | 8.24 | 3.56 | 75.54 | 3.84 | 8.82 | 11.48 | |
| Epping, N. H. | | | | | | | | |
| Rosebro Horse Feed | G. | 10.00 | 2.00 | 48.00 | .... | .... | 15.00 | Sifted cracked corn, crushed oats, crushed barley, alfalfa meal, molasses, old process linseed oil meal. |
| Rosenbaum Brothers | F. | 10.38 | 3.93 | 72.59 | 3.46 | 9.64 | 13.06 | |
| Chicago, Ill. | | | | | | | | |
| Vitality Sugared | G. | 9.50 | 3.00 | 62.00 | .... | .... | 12.00 | Cottonseed meal, corn feed meal, ground barley, oat meal mill by-products, oat hulls, oat shorts, ground grain screenings, ½ of 1% salt and molasses. |
| Rosenbaum Brothers | F. | 10.73 | 3.03 | 72.12 | 4.59 | 9.53 | 11.96 | |
| Chicago, Ill. | | | | | | | | |
| Wirthmore Stock Feed | G. | 9.00 | 4.00 | 60.00 | .... | .... | 9.50 | Ground barley, ground oats, ground hominy meal, ground corn, oat meal mill by-products, oat middlings, oat hulls, oat shorts, ½ of 1% salt. |
| St. Albans Grain Co. | F. | 11.16 | 5.79 | 71.31 | 3.70 | 8.04 | 9.37 | |
| St Albans, Vt. | | | | | | | | |
| Haskell's Stock Feed | G. | 9.00 | 6.00 | 61.00 | .... | .... | 9.00 | Ground corn, ground oats, hominy feed, oat hulls, oat shorts and salt. |
| Sheets Elevator Co. | F. | 10.33 | 6.38 | 70.94 | 2.88 | 9.47 | 7.96 | |
| Toledo, Ohio | | | | | | | | |
| Stratton & Co's Stock Feed | G. | 7.50 | 2.63 | 66.00 | .... | .... | 14.43 | Reground oat feed, oat middlings, oat shorts, corn, bran, cracked corn siftings, best fine yellow corn meal. |
| Stratton & Co. | F. | 7.58 | 3.12 | 76.56 | 4.07 | 8.67 | 14.09 | |
| Concord, N. H. | | | | | | | | |
| Blue Seal Stock Feed | G. | 10.00 | 4.00 | 70.00 | .... | .... | 10.00 | Ground oats, kiln dried hominy feed, wheat feed, corn meal, linseed meal, oat feed, ½ of 1% salt. |
| H. K. Webster Co. | F. | 9.89 | 4.25 | 72.25 | 3.84 | 9.77 | 12.46 | |
| Lawrence, Mass. | | | | | | | | |
| CORN AND OAT | | | | | | | | |
| Imperial Steam Cooked Feed | G. | 9.50 | 4.00 | ..... | .... | .... | 4.00 | Corn and oats. |
| Imperial Grain and Milling Co. | F. | 10.64 | 4.63 | 71.62 | 2.29 | 10.82 | 5.44 | |
| Toledo, Ohio | | | | | | | | |

| Brand and name and address of manufacturer | | Pounds in 100 lbs. of Feed Stuff | | | | | | Certified by manufacturer to contain |
|---|---|---|---|---|---|---|---|---|
| | | Protein | Fat | Carbo-hydrates | Ash | Moist-ure | Crude Fiber | |
| 1795 Steam Cooked Corn and Oats.... | G. | 9.50 | 4.00 | ..... | .... | .... | 9.00 | |
| Miner-Hillard Milling Co. ..... | F. | 10.94 | 4.42 | 72.74 | 2.18 | 9.72 | ..... | |
| Wilkes-Barre, Pa. | | | | | | | | |
| COTTONSEED MEAL | | | | | | | | |
| Atlas Standard Cotton Seed Meal..... | G. | 36.00 | 5.50 | 27.00 | .... | .... | 14.00 | Made from upland cotton seed only. |
| E. T. Allen Co. ..... | F. | 37.24 | 6.83 | 42.20 | 5.99 | 7.74 | ..... | |
| Atlanta, Ga. | | | | | | | | |
| Empire High Grade Cotton Seed Meal. | G. | 41.12 | 6.00 | 22.00 | .... | .... | 10.00 | Made from upland cotton seed only. |
| E. T. Allen Co. ..... | F. | 38.57 | 6.37 | 41.84 | 5.98 | 7.24 | ..... | |
| Atlanta, Ga. | | | | | | | | |
| Surety Brand Cotton Seed Meal..... | G. | 36.00 | 5.50 | 27.00 | .... | .... | 14.00 | |
| American Cotton Oil Co. ..... | F. | 35.21 | 6.13 | 45.35 | 5.90 | 7.41 | ..... | |
| New York, N. Y. | | | | | | | | |
| Cotton Seed Cake and Meal, Port Arthur Brand ..... | G. | 43.00 | 6.00 | 35.00 | .... | .... | 12.00 | |
| American Oil Cake and Feed Co..... | F. | 42.45 | 6.61 | 37.56 | 5.56 | 7.82 | ..... | |
| Dallas, Texas | | | | | | | | |
| Rainbow Brand Cotton Seed Meal..... | G. | 36.00 | 5.00 | ..... | .... | .... | 10.00 | |
| American Oil Cake and Feed Co..... | F. | 34.47 | 6.84 | 45.95 | 5.64 | 7.10 | ..... | |
| Dallas, Texas | | | | | | | | |
| Helmet Brand Prime Cotton Seed Meal | G. | 41.18 | 6.00 | 26.00 | .... | .... | 10.00 | Made from upland cotton seed only. |
| Ashcraft-Wilkinson Co. ..... | F. | 40.89 | 7.31 | 36.88 | 7.03 | 7.89 | ..... | |
| Atlanta, Ga. | | | | | | | | |
| Paramount Brand Good Cotton Seed Meal ..... | G. | 36.00 | 5.50 | 27.00 | .... | .... | 14.00 | Upland cotton seed. |
| Ashcraft-Wilkinson Co. ..... | F. | 33.59 | 5.10 | 47.93 | 5.59 | 7.79 | ..... | |
| Atlanta, Ga. | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|
| Owl Brand 36% Prime Cotton Seed Meal | G. | 36.00 | 5.00 | 28.00 | .... | .... | 14.00 | Made from cotton seed. |
| F. W. Brode Corp. | F. | 36.92 | 6.91 | 43.54 | 6.18 | 6.45 | ..... | |
| Memphis, Tenn. | | | | | | | | |
| Buckeye 36% Cottonseed Meal | G. | 36.00 | 5.00 | 30.00 | .... | .... | 14.00 | Good quality. |
| Buckeye Cotton Oil Co. | F. | 36.00 | 6.24 | 43.77 | 6.46 | 7.53 | ..... | |
| Cincinnati, Ohio | | | | | | | | |
| "White Ribbon" Brand Cottonseed Meal | G. | 36.00 | 5.00 | 25.00 | .... | .... | 15.00 | Made from cotton seed meal and cotton-seed hulls. |
| R. G. Clarke and Co. | F. | 34.19 | 5.75 | 45.15 | 5.90 | 9.01 | ..... | |
| Memphis, Tenn. | | | | | | | | |
| Beauty Brand Cottonseed Meal | G. | 36.00 | 6.00 | ..... | .... | .... | 14.00 | Product of cottonseed only. |
| S. P. Davis | F. | 36.63 | 6.34 | 43.69 | 6.74 | 6.60 | ..... | |
| Little Rock, Ark. | | | | | | | | |
| Steerboy Brand Cottonseed Meal | G. | 43.00 | 6.00 | 25.00 | .... | .... | 10.00 | Made from decorticated cottonseed. |
| S. P. Davis | F. | 44.04 | 6.85 | 36.04 | 5.54 | 7.53 | ..... | |
| Little Rock, Ark. | | | | | | | | |
| Cotton Seed Meal, St. Clair Brand | G. | 36.00 | 5.00 | ..... | .... | .... | 16.00 | |
| East St. Louis Cotton Oil Co. | F. | 36.14 | 6.23 | 43.80 | 5.72 | 8.11 | ..... | |
| National Stock Yards, Ill. | | | | | | | | |
| Bull Brand Cottonseed Meal | G. | 43.00 | 5.00 | 26.00 | .... | .... | 10.00 | Made from pressed cottonseed. |
| Humphreys-Godwin Co. | F. | 40.90 | 6.75 | 38.37 | 6.87 | 7.11 | ..... | |
| Memphis, Tenn. | | | | | | | | |
| Danish Brand 36% Cotton Seed Meal | G. | 36.00 | 5.00 | 25.00 | .... | .... | 15.00 | Mixture of cottonseed meal and cottonseed hulls. |
| Humphreys-Godwin Co. | F. | 36.19 | 6.04 | 43.91 | 5.22 | 8.64 | ..... | |
| Memphis, Tenn. | | | | | | | | |
| Dixie Brand Choice Prime Cotton Seed Meal | G. | 41.12 | 5.00 | 26.00 | .... | .... | 10.00 | Made from pressed cottonseed. |
| Humphreys-Godwin Co. | F. | 38.89 | 6.54 | 39.94 | 7.24 | 7.39 | ..... | |
| Memphis, Tenn. | | | | | | | | |
| "Thirty-Six Brand" Cotton Seed Meal | G. | 36.00 | 5.00 | 28.50 | .... | .... | 14.00 | |
| L. B. Lovitt and Co. | F. | 37.11 | 6.02 | 43.42 | 5.76 | 7.69 | ..... | |
| Memphis, Tenn. | | | | | | | | |

| Brand and name and address of manufacturer | | Pounds in 100 lbs. of Feed Stuff | | | | | | Certified by manufacturer to contain |
|---|---|---|---|---|---|---|---|---|
| | | Protein | Fat | Carbo-hydrates | Ash | Moist-ure | Crude Fiber | |
| Good Cotton Seed Meal<br>Marianna Sales Co.<br>Memphis, Tenn. | G.<br>F. | 36.00<br>37.69 | 5.00<br>7.19 | 28.50<br>43.44 | ....<br>5.95 | ....<br>5.73 | 14.00<br>..... | Made from cottonseed. |
| Prime Cotton Seed Meal<br>Marianna Sales Co.<br>Memphis, Tenn. | G.<br>F. | 41.00<br>39.58 | 6.00<br>6.54 | 26.00<br>38.34 | ....<br>7.26 | ....<br>8.28 | 10.00<br>..... | |
| Prime Cotton Seed Meal "White Mule Brand"<br>Marianna Cotton Oil Co.<br>Marianna, Ark. | G.<br>F. | 43.00<br>43.11 | 6.00<br>6.72 | 25.00<br>36.08 | ....<br>6.14 | ....<br>7.95 | 10.00<br>..... | Made from cottonseed. |
| Durham Thirty-Six Cotton Seed Meal.<br>Memphis Cotton Seed Products Co.<br>Memphis, Tenn. | G.<br>F. | 36.00<br>37.15 | 5.00<br>6.79 | 28.50<br>45.18 | ....<br>5.88 | ....<br>5.00 | 14.00<br>..... | |
| Triangle Brand Cotton Seed Meal<br>R N. Neal and Co.<br>Memphis, Tenn. | G.<br>F. | 36.00<br>34.45 | 5.00<br>7.43 | 28.50<br>43.81 | ....<br>6.74 | ....<br>7.57 | 14.00<br>..... | |
| Cotton Seed Meal<br>Phoenix Cotton Oil Co.<br>Dyersburg, Tenn. | G.<br>F. | 43.00<br>42.39 | 6.00<br>6.31 | 22.00<br>36.72 | ....<br>6.72 | ....<br>7.86 | 10.00<br>..... | Cottonseed meal and cottonseed hulls. |
| Phoenix 36% Cotton Seed Meal.<br>Phoenix Cotton Oil Co.<br>Dyersburg, Tenn. | G.<br>F. | 36.00<br>35.88 | 4.50<br>5.61 | 25.00<br>44.28 | ....<br>6.40 | ....<br>7.83 | 14.00<br>..... | Cottonseed meal and cottonseed hulls. |
| Cotton Seed Cake and Meal, Climax Brand<br>Southland Cotton Oil Co.<br>Paris, Texas | G.<br>F. | 43.00<br>41.92 | 6.00<br>6.04 | .....<br>40.39 | ....<br>5.47 | ....<br>6.18 | 12.00<br>..... | Sound decorticated cotton seed. |
| Good Cotton Seed Meal<br>Speir and McKay<br>Atlanta, Ga. | G.<br>F. | 36.00<br>36.54 | 5.50<br>6.95 | 27.00<br>43.52 | ....<br>6.51 | ....<br>6.48 | 14.00<br>..... | Made from cotton seed meal and cottonseed hulls. |

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|---|---|---|---|---|---|---|---|---|
| Sun Brand Cotton Seed Meal..... | G. | 36.00 | 5.00 | 25.00 | .... | .... | 15.00 | Made from pressed cottonseed. |
| A. C. Westervelt and Co..... | F. | 34.78 | 5.32 | 46.28 | 6.09 | 7.53 | ..... | |
| Memphis, Tenn. | | | | | | | | |
| DAIRY FEED | | | | | | | | |
| Armour's 24% Dairy Feed ..... | G. | 24.00 | 5.00 | 50.00 | .... | .... | 12.00 | Corn gluten feed, corn oil meal, cottonseed oil meal, linseed oil meal, cocoanut oil meal, wheat bran, oat hulls, oat middlings, hominy feed and salt. |
| Armour Grain Co. ..... | F. | 22.71 | 5.04 | 58.08 | 6.40 | 7.77 | 12.56 | |
| Chicago, Ill. | | | | | | | | |
| B. P. Dairy Ration..... | G. | 21.00 | 4.00 | 55.00 | .... | .... | 12.00 | Beet pulp, linseed oil meal, hominy feed, cottonseed meal, wheat bran, corn, gluten feed, 1% salt. |
| Armour Grain Co. ..... | F. | 19.72 | 4.81 | 60.01 | 5.89 | 9.57 | 10.99 | |
| Chicago, Ill. | | | | | | | | |
| Iroquois Creamery Feed ..... | G. | 16.00 | 4.00 | 58.00 | .... | .... | 9.00 | Corn feed meal, hominy feed, corn gluten feed, cottonseed meal, oat shorts, oat hulls, wheat bran, wheat middlings containing mill run ground screenings, ½ of 1% salt. |
| Armour Grain Co. ..... | F. | 16.03 | 4.83 | 65.83 | 5.07 | 8.24 | 9.00 | |
| Chicago, Ill. | | | | | | | | |
| Capital Dairy Ration ..... | G. | 23.00 | 5.50 | 48.00 | .... | .... | 10.00 | Corn gluten feed, linseed oil meal, hominy feed, 43% cottonseed meal, ground oats, wheat bran, corn meal and ½% fine salt. |
| E. W. Bailey and Co. ..... | F. | 21.82 | 5.51 | 58.64 | 4.82 | 9.21 | 7.87 | |
| Swanton, Vt. | | | | | | | | |
| Capital Dairy Ration ..... | G. | 24.00 | 5.50 | 55.00 | .... | .... | 9.00 | Cottonseed, gluten feed, bran, linseed, corn meal, ground oats and salt. |
| E. W. Bailey and Co. ..... | F. | 22.64 | 5.29 | 57.98 | 4.48 | 9.61 | 7.05 | |
| Swanton, Vt. | | | | | | | | |
| Beacon Dairy Ration ..... | G. | 24.00 | 5.00 | ..... | .... | .... | 10.00 | Cottonseed meal, corn gluten feed, cocoanut oil cake meal, ground barley, hominy feed, corn meal or corn feed meal, alfalfa meal, wheat bran, wheat middlings with screenings not exceeding mill run. |
| Beacon Milling Co, Inc. ..... | F. | 22.55 | 5.50 | 57.66 | 5.00 | 9.29 | 9.07 | |
| Auburn, N. Y. | | | | | | | | |
| Green Mountain Dairy Ration ..... | G. | 25.00 | 6.00 | 50.00 | .... | .... | 10.00 | Cottonseed meal, bran, ground oats, ground barley, gluten hominy, oil meal. |
| Caledonia Mills, Inc. ..... | F. | 22.40 | 5.03 | 58.01 | 5.10 | 9.46 | 9.41 | |
| St. Johnsbury, Vt. | | | | | | | | |
| Unicorn Dairy Ration ..... | G. | 24.00 | 5.00 | 50.00 | .... | .... | 10.00 | Cottonseed meal, corn gluten meal, linseed meal, corn gluten feed, brewers' grains, corn oil meal, wheat bran, hominy meal and salt. |
| Chapin and Co. ..... | F. | 24.52 | 5.43 | 55.22 | 5.95 | 8.88 | 8.49 | |
| Hammond, Ind. | | | | | | | | |

| Brand and name and address of manufacturer | | Pounds in 100 lbs. of Feed Stuff | | | | | | Certified by manufacturer to contain |
|---|---|---|---|---|---|---|---|---|
| | | Protein | Fat | Carbo-hydrates | Ash | Moist-ure | Crude Fiber | |
| Advanced Registry Dairy Feed .... | G. | 25.00 | 5.00 | 50.00 | .... | .... | 10.00 | Hominy feed, pure old process linseed meal, corn gluten feed, dried grains from barley, malt and corn, wheat bran, wheat middlings, cottonseed meal and ½ of 1% fine salt. |
| Clover Leaf Milling Co. ..... | F. | 24.74 | 5.20 | 56.06 | 5.02 | 8.98 | 8.78 | |
| Buffalo, N. Y. | | | | | | | | |
| Cloverdale Milk Grains ..... | G. | 24.00 | 4.50 | 50.00 | .... | .... | 10.00 | Pure old process linseed meal, wheat bran, cottonseed meal, corn gluten feed, dried grains from barley, malt and corn, cleaned ground and bolted grain screenings, ground and bolted clipped oat by-product, molasses and ½ of 1% fine table salt. |
| Clover Leaf Milling Co. ..... | F. | 22.31 | 4.93 | 55.82 | 8.18 | 8.76 | 10.33 | |
| Buffalo, N. Y. | | | | | | | | |
| Cloverdale Milk Grains ..... | G. | 24.00 | 4.50 | 50.00 | .... | .... | 10.00 | |
| Clover Leaf Milling Co. ..... | F. | 23.33 | 5.01 | 55.55 | 7.48 | 8.63 | 10.00 | |
| Buffalo, N. Y. | | | | | | | | |
| Dealer's Open Formula Milk Ration.. | G. | 24.00 | 5.00 | 50.00 | .... | .... | 9.00 | Dried brewers' grains, cottonseed meal, 43%, linseed oil meal, old process, corn gluten feed, yellow hominy, ground oats, wheat bran, wheat middlings, cane molasses, salt. |
| Clover Leaf Milling Co..... | F. | 22.36 | 5.55 | 56.61 | 5.32 | 10.16 | 9.14 | |
| Buffalo, N. Y. | | | | | | | | |
| Master Grain Ration ..... | G. | 24.00 | 5.00 | 50.00 | .... | .... | 10.00 | Cottonseed meal, pure old process linseed meal, corn gluten feed, wheat bran, wheat middlings, dried grains from barley, malt and corn, molasses and ½ of 1% fine table salt. |
| Clover Leaf Milling Co. ..... | F. | 24.68 | 5.66 | 53.85 | 6.26 | 9.55 | 10.00 | |
| Buffalo, N. Y. | | | | | | | | |
| Sweet 16 Dairy Feed ..... | G. | 16.00 | 4.00 | 50.00 | .... | .... | 12.00 | Cottonseed meal, pure old process linseed meal, corn gluten feed, cleaned ground and bolted grain screenings, ground and bolted clipped oat by-product, molasses and ½ of 1% fine table salt. |
| Clover Leaf Milling Co. ..... | F. | 16.51 | 4.24 | 61.92 | 8.80 | 8.53 | 11.89 | |
| Buffalo, N. Y. | | | | | | | | |
| Cowee's 1922 Ration ..... | G. | 21.50 | 5.50 | 45.00 | .... | .... | 8.00 | Gluten feed, linseed meal, cotton seed meal, cocoanut oil meal, corn meal, wheat bran, wheat middlings and salt. |
| E. A. Cowee Co. ..... | F. | 20.44 | 5.28 | 60.07 | 4.87 | 9.34 | 8.97 | |
| Fitchburg, Mass. | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|
| Dairy Feed | G. | 24.00 | 5.00 | 45.00 | .... | .... | 10.00 | Wheat bran, cotton seed meal, cocoanut oil meal, wheat middlings, soy bean meal, cane molasses, corn gluten feed, corn gluten meal, old process oil meal, ground oats, ground barley, alfalfa meal, ½% calcium carbonate, ½% salt. |
| J. Cushing Co. | F. | 24.76 | 4.88 | 55.02 | 5.33 | 10.01 | 9.36 | |
| Fitchburg, Mass. | | | | | | | | |
| Vigor Dairy Feed | G. | 18.00 | 3.50 | 50.00 | .... | .... | 10.00 | Wheat bran, cane molasses, cottonseed meal, cocoanut oil meal, soy bean meal, corn gluten feed, wheat middlings, brewers' dried grains, old process oil meal, oat meal mill by-product, oat hulls, oat middlings, oat shorts, reground grain screenings from wheat, alfalfa meal, ½% calcium carbonate, ½% salt. |
| J. Cushing Co. | F. | 19.26 | 3.59 | 59.96 | 6.18 | 11.01 | 9.90 | |
| Fitchburg, Mass. | | | | | | | | |
| Gold Coin Dairy Ration | G. | 20.00 | 5.00 | 58.00 | .... | .... | 9.00 | Corn meal, pulverized oats, pulverized barley, wheat bran, red dog, oil meal, cottonseed meal, corn gluten feed, bone meal, salt. |
| Eagle Roller Mills Co. | F. | 20.14 | 5.07 | 57.54 | 7.62 | 9.63 | 8.04 | |
| New Ulm, Minn. | | | | | | | | |
| Eastern's 20% Dairy Feed | G. | 20.00 | 4.00 | 45.00 | .... | .... | 10.00 | Wheat bran, cottonseed meal, corn gluten feed, cocoanut oil meal, cane molasses, soy bean meal, corn gluten meal, wheat middlings, old process oil meal, reground grain screenings, alfalfa meal, ½ of 1% calcium carbonate, ½% salt. |
| Eastern Grain Company | F. | 21.76 | 4.76 | 57.53 | 6.89 | 9.06 | 7.99 | |
| Portand, Maine | | | | | | | | |
| Eastern's 24% Dairy Feed | G. | 24.00 | 5.00 | 45.00 | .... | .... | 12.00 | Choice cottonseed meal, wheat bran, wheat middlings, cocoanut oil meal, corn gluten feed, corn gluten meal, cane molasses, old process linseed meal, alfalfa meal, ½ of 1% salt. |
| Eastern Grain Company | F. | 25.06 | 6.20 | 53.67 | 6.04 | 9.03 | 8.64 | |
| Portand, Maine | | | | | | | | |
| Eastern States Fitting Ration | G. | 12.00 | 3.50 | 55.00 | .... | .... | 8.00 | Standard wheat bran, ground oats, corn meal, yellow hominy, linseed oil meal, old process cane molasses, standard wheat middlings, bone meal, salt. |
| Eastern States Farmers' Exchange | F. | 12.87 | 5.20 | 64.06 | 5.14 | 12.73 | 8.00 | |
| Springfield, Mass. | | | | | | | | |
| Eastern States Fulpail Open Formula Dairy Ration | G. | 20.00 | 4.50 | 48.00 | .... | .... | 9.00 | Corn gluten feed, standard wheat bran, yellow hominy, ground oats, cane molasses, cottonseed meal 43%, peanut meal 40%, corn distillers' grains, linseed oil meal, old process, salt, calcium carbonate. |
| Eastern States Farmers' Exchange | F. | 22.70 | 4.92 | 56.30 | 6.21 | 9.87 | 9.00 | |
| Springfield, Mass. | | | | | | | | |

| Brand and name and address of manufacturer | | Pounds in 100 lbs. of Feed Stuff | | | | | | Certified by manufacturer to contain |
|---|---|---|---|---|---|---|---|---|
| | | Protein | Fat | Carbo-hydrates | Ash | Moist-ure | Crude Fiber | |
| Eastern States Milkmore Dairy Ration<br>Eastern States Farmers' Exchange....<br>Springfield, Mass. | G.<br>F. | 24.00<br>26.25 | 5.00<br>5.59 | 45.00<br>52.83 | ....<br>5.21 | ....<br>10.12 | 9.00<br>7.91 | Corn gluten feed, cottonseed meal, linseed oil meal, old process, corn distillers' grains, standard wheat bran, yellow hominy, standard, wheat middlings, ground oats, cane molasses, peanut meal, salt, calcium carbonate. |
| Elmore Milk Grains.....<br>Elmore Milling Co. .....<br>Oneonto, N. Y. | G.<br>F. | 25.00<br>25.00 | 6.00<br>5.19 | .....<br>55.65 | ....<br>4.38 | ....<br>9.78 | 11.00<br>10.21 | Corn distillers' grains' wheat bran, old process oil meal, corn meal or hominy feed, barley, malt sprouts, corn gluten feed, cottonseed meal, dried brewers' grains, calcium carbonate, salt. |
| Fosher's Dairy Feed .....<br>Fosher and Co. .....<br>Manchester, N. H. | G.<br>F. | 22.00<br>25.42 | 3.50<br>5.08 | 50.00<br>56.23 | ....<br>3.67 | ....<br>9.60 | 8.00<br>6.82 | Diamond gluten meal, linseed oil meal, cottonseed meal, hominy, wheat bran with mill run screenings, ground oats—high grade. ½ of 1% salt. |
| Grandin's Twin-Six Dairy Feed .....<br>D. H. Grandin Milling Co.....<br>Jamestown, N. Y. | G.<br>F. | 22.00<br>21.77 | 5.00<br>5.02 | 50.00<br>58.75 | ....<br>5.27 | ....<br>9.19 | 12.00<br>9.33 | Linseed oil meal, cottonseed meal, cocoanut oil meal, corn gluten feed, wheat bran, wheat middlings, corn meal, corn feed meal, hominy feed, alfalfa meal, ½ of 1% salt. wheat bran, and wheat middlings may contain ground screenings not exceeding mill run. |
| Money Maker Sweetened Dairy Feed<br>E. C. and W. L. Hopkins.....<br>Greenfield, N. H. | G.<br>F. | 20.00<br>21.04 | 5.00<br>5.67 | 55.00<br>57.49 | ....<br>6.42 | ....<br>9.38 | 12.00<br>10.39 | Corn gluten feed, cottonseed meal, old process linseed meal, wheat bran with screenings, hominy, oatmeal by-products, molasses, cocoa shell meal, calcium carbonate and salt. |
| International Ready Ration .....<br>International Sugar Feed Co. .....<br>Minneapolis, Minn. | G.<br>F. | 20.00<br>18.88 | 5.00<br>4.65 | 45.00<br>58.91 | ....<br>7.04 | ....<br>10.52 | 11.50<br>11.36 | Old process oil meal, cottonseed meal, corn gluten feed, wheat bran, molasses, ground clipped oat by-product, 1% salt, ground, cleaned grain screenings. |

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|---|---|---|---|---|---|---|---|---|
| International Special Dairy Feed..... | G. | 15.00 | 4.50 | 47.00 | .... | .... | 12.00 | Old process oil meal, cottonseed meal, corn gluten feed, wheat bran, molasses, ground clipped oat by-product, cleaned grain screenings, 1% salt. |
| International Sugar Feed Co. ..... | F. | 14.17 | 4.77 | 62.65 | 8.97 | 9.44 | 11.88 | |
| Minneapolis, Minn. | | | | | | | | |
| Champion Dairy Ration ..... | G. | 23.00 | 5.50 | 50.00 | .... | .... | 11.00 | Bran, cottonseed meal 43%, Buffalo gluten feed, Diamond gluten meal, old process linseed oil meal, fancy ground oats, corn meal, brewers' dried grains, flour middlings, ¾ of 1% salt. |
| C. H. Jameson ..... | F. | 24.26 | 4.75 | 56.23 | 4.52 | 10.24 | 7.89 | |
| Colebrook N. H. | | | | | | | | |
| Beatsall Milk Grains ..... | G. | 22.00 | 4.50 | ..... | .... | .... | 10.00 | Wheat middlings, wheat bran, linseed oil meal, corn gluten feed, cottonseed meal, hominy feed, ¾ of 1% salt, beet pulp. |
| Kasco Mils, Inc..... | F. | 22.24 | 5.14 | 57.07 | 5.31 | 10.24 | 9.27 | |
| Waverly, N. Y. | | | | | | | | |
| Larro, The Ready Ration ..... | G. | 20.00 | 4.00 | 58.00 | .... | .... | 12.00 | Cottonseed meal, corn gluten feed, old process linseed oil meal, standard wheat bran, standard wheat middlings, dried beet pulp. ¾% salt. |
| Larrowe Milling Co. ..... | F. | 20.71 | 4.52 | 60.97 | 5.22 | 8.58 | 10.96 | |
| Detroit, Mich. | | | | | | | | |
| Bull Brand Dairy Ration ..... | G. | 24.00 | 6.00 | 50.00 | .... | .... | 12.00 | Dried brewers' grain, dried malt grains, old process oil meal, cottonseed meal, corn gluten feed, hominy feed, cocoanut oil meal, wheat bran, wheat middlings, ¾ of 1% salt. Wheat bran and wheat middlings may contain ground screenings not exceeding mill run. |
| Maritime Milling Co., Inc. ..... | F. | 23.36 | 6.46 | 54.09 | 6.39 | 9.70 | 10.38 | |
| Buffalo, N. Y. | | | | | | | | |
| Merrimack Dairy Ration ..... | G. | 20.00 | 5.00 | 50.00 | .... | .... | 10.00 | Corn gluten feed, linseed oil meal, cottonseed meal, corn meal, wheat bran, wheat middlings— not exceeding mill run of screenings—ground oats and ¾ of 1% salt. |
| Merrimack Farmers' Exchange ..... | F. | 24.04 | 4.60 | 57.13 | 4.92 | 9.31 | 7.78 | |
| Concord, N. H. | | | | | | | | |
| Domino Union Dairy Feed ..... | G. | 15.00 | 3.00 | ..... | .... | .... | 16.00 | Cottonseed meal, corn gluten feed, linseed oil meal, ¾ of 1% salt, calcium carbonate, molasses and ground and bolted grain screenings. |
| Nowak Milling Corp. ..... | F. | 14.54 | 4.32 | 64.55 | 6.67 | 9.92 | 12.05 | |
| Buffalo, N. Y. | | | | | | | | |
| New-Life Balanced Ration ..... | G. | 22.00 | 4.00 | 50.00 | .... | .... | 12.00 | Corn gluten feed, wheat middlings, cottonseed meal, linseed oil meal, wheat bran, corn feed meal, salt. |
| Nowak Milling Corp. ..... | F. | 22.29 | 5.23 | 56.86 | 5.23 | 10.39 | 7.73 | |
| Buffalo, N. Y. | | | | | | | | |

| Brand and name and address of manufacturer | | Pounds in 100 lbs. of Feed Stuff | | | | | | Certified by manufacturer to contain |
|---|---|---|---|---|---|---|---|---|
| | | Protein | Fat | Carbo-hydrates | Ash | Moist-ure | Crude Fiber | |
| Noyes' Dairy Feed<br>D. A. Noyes and Son<br>Colebrook, N. H. | G.<br>F. | 23.50<br>23.32 | 5.50<br>4.92 | 56.60<br>56.20 | ....<br>4.68 | ....<br>10.88 | 8.50<br>8.05 | 43% cottonseed meal, old process linseed meal, white hominy feed or corn meal, pure ground oats, bran, gluten, 1% salt. |
| Stevens' Economy Feed<br>Park and Pollard Co.<br>Boston, Mass. | G.<br>F. | 24.00<br>23.00 | 6.00<br>5.39 | 43.00<br>56.45 | ....<br>6.34 | ....<br>8.82 | 10.00<br>11.23 | Corn distillers' dried grains, wheat bran, with mill run of screenings, wheat cereal, by-products, residue from wheat bran processed, old process linseed oil meal, hominy feed, gluten feed, cottonseed meal, calcium carbonate and salt. |
| Stevens' 44 Sweetened<br>Park and Pollard Co.<br>Boston, Mass. | G.<br>F. | 24.00<br>24.39 | 5.00<br>5.38 | 40.00<br>55.21 | ....<br>6.53 | ....<br>8.49 | 14.00<br>11.06 | Linseed oil meal, cottonseed meal, corn gluten feed, cocoanut oil meal, pea meal, corn distillers' dried grains, brewers' dried grains, corn meal, calcium carbonate, salt, wheat bran, ground grain screenings, molasses. |
| Universal Ration<br>Park and Pollard Co.<br>Boston, Mass. | G.<br>F. | 15.00<br>14.35 | 6.00<br>5.83 | 50.00<br>61.27 | ....<br>8.64 | ....<br>9.91 | 12.00<br>10.53 | Linseed oil meal, cottonseed meal, cocoa shell meal, fine ground grain screenings, alfalfa, toasted wheat feed, oat feed, oat middlings, oat shorts, oat hulls, fish, molasses, calcium carbonate and salt. |
| Pillsbury's Dairy Ration<br>Pillsbury Flour Mills Co.<br>Minneapolis, Minn. | G.<br>F. | 20.00<br>20.00 | 4.00<br>5.05 | 50.00<br>58.49 | ....<br>7.07 | ....<br>9.39 | 11.00<br>9.02 | Ground oats, wheat bran, hominy feed, linseed oil meal, corn gluten feed, wheat standard middlings, cottonseed meal and mineral matter, calcium carbonate and sodium chloride. |
| Boss Dairy Ration<br>Quaker Oats Co.<br>Chicago, Ill. | G.<br>F. | 24.00<br>25.09 | 4.00<br>4.70 | 45.00<br>55.01 | ....<br>6.17 | ....<br>9.03 | 11.00<br>10.82 | Hominy feed, yellow hominy feed, cottonseed meal, corn gluten feed, old process linseed oil meal, wheat bran, wheat middlings, with ground screenings not exceeding mill run, oat meal mill by-product, oat middlings, oat shorts, oat hulls, ¾ of 1% salt, calcium carbonate, molasses. |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Purina 24% Cow Chow Feed ..... | G. | 24.00 | 4.30 | 53.00 | .... | .... | 12.00 | Linseed oil meal, old process, gluten feed from corn, hominy feed, corn feed meal, molasses, cottonseed meal, ground alfalfa, 1% salt. |
| Ralston-Purina Co. ..... | F. | 25.16 | 4.48 | 54.80 | 5.82 | 9.74 | 9.89 | |
| St. Louis, Mo. | | | | | | | | |
| Protena More Milk Dairy Feed..... | G. | 16.50 | 3.50 | 55.00 | .... | .... | 12.00 | Cottonseed meal, gluten feed from corn, oat feed, oat hulls, oat shorts, oat middlings, ground wheat screenings, molasses and 1% salt. |
| Ralston-Purina Co. ..... | F. | 17.91 | 3.64 | 62.89 | 6.76 | 8.80 | 11.90 | |
| St. Louis, Mo. | | | | | | | | |
| New Hampshire Dairy Ration ..... | G. | 20.00 | 5.50 | 51.00 | .... | .... | 7.50 | Ground fancy oats, oil meal, bran, cottonseed meal, gluten feed, optional hominy or meal. |
| Rockingham County Farmers' Exchange | F. | 20.43 | 5.07 | 60.11 | 3.90 | 10.49 | 7.04 | |
| Epping, N. H. | | | | | | | | |
| Warrens' Dairy ..... | G. | 21.00 | .... | ..... | .... | .... | ..... | Ground fancy oats, gluten feed, cottonseed meal, hominy, mixed feed, beet pulp. |
| Rockingham County Farmers' Exchange | F. | 18.51 | 4.00 | 64.46 | 3.46 | 9.57 | 9.56 | |
| Epping, N. H. | | | | | | | | |
| Vitality Milk Ration ..... | G. | 24.00 | 5.00 | 50.00 | .... | .... | 10.00 | Corn distillers' grains, brewers' dried grains, cottonseed meal, old process linseed oil meal, wheat bran, wheat middlings, corn gluten feed, corn feed meal, corn oil meal, ½ of 1% salt. |
| Rosenbaum Brothers ..... | F. | 24.11 | 6.21 | 55.67 | 4.86 | 9.15 | 8.29 | |
| Chicago, Ill. | | | | | | | | |
| Paragon Dairy Feed ?..... | G. | 22.00 | 4.00 | 44.00 | .... | .... | 14.00 | Cottonseed meal, linseed meal, Diamond gluten meal, corn gluten feed, oat meal mill by-products, oat middlings, oat shorts, oat hulls, ground corn, wheat bran not exceeding mill run screenings, not over ¾ of 1% salt. |
| St. Albans Grain Co. ..... | F. | 24.69 | 5.32 | 56.76 | 5.09 | 8.14 | 13.05 | |
| St. Albans, Vt. | | | | | | | | |
| Wirthmore Balanced Ration ..... | G. | 25.00 | 5.50 | 55.00 | .... | .... | 10.00 | Cottonseed meal, linseed meal, Diamond corn gluten meal, corn gluten feed, wheat middlings, wheat bran, not exceeding mill run screenings, corn distillers' dried grains, brewers' dried grains, hominy or corn meal, edible bone meal, dairy salt. |
| St. Albans Grain Co. ..... | F. | 25.52 | 5.62 | 54.02 | 5.73 | 9.11 | 7.98 | |
| St. Albans, Vt. | | | | | | | | |
| S. Co. Balanced Ration ..... | G. | ..... | .... | ..... | .... | .... | ..... | Bran, 43% cottonseed, 34% oil meal, gluten feed, corn meal, ground oats, 1% salt, bone meal. |
| F. S. Sleeper and Co. ..... | F. | 22.99 | 4.76 | 57.90 | 5.02 | 9.33 | 8.29 | |
| North Haverhill, N. H. | | | | | | | | |
| F. S. Co. Dairy Feed ..... | G. | 20.50 | 4.00 | 50.00 | .... | .... | 8.50 | Wheat feed, ground oats, Buffalo gluten, Diamond gluten, corn meal, old process linseed, cottonseed, molasses. |
| Frank Smith Co. ..... | F. | 21.36 | 4.69 | 59.50 | 4.79 | 9.66 | 8.50 | |
| Lancaster, N H. | | | | | | | | |

| Brand and name and address of manufacturer | | Pounds in 100 lbs. of Feed Stuff | | | | | | Certified by manufacturer to contain |
|---|---|---|---|---|---|---|---|---|
| | | Protein | Fat | Carbo-hydrates | Ash | Moist-ure | Crude Fiber | |
| Union Grains, Biles Ready Dairy Ration | G. | 24.00 | 5.00 | 50.00 | .... | .... | 10.00 | Corn distillers' dried grains, choice cottonseed meal, old process linseed meal, white wheat middlings, winter wheat bran, hominy meal, corn germ meal, corn gluten feed, brewers' dried grains, ½ of 1% fine table salt. |
| Ubiko Milling Co. Cincinnati, Ohio | F. | 24.82 | 5.31 | 55.99 | 5.84 | 8.04 | 8.08 | |
| Blue Seal Dairy Feed | G. | 22.00 | 5.00 | 50.00 | .... | .... | 10.00 | Cottonseed meal, linseed oil meal, gluten feed, bran, corn meal, crushed fancy oats, bean meal and alfalfa. |
| H. K. Webster Co. Lawrence, Mass. | F. | 22.20 | 4.82 | 58.69 | 4.74 | 9.55 | 10.63 | |
| GLUTEN FEED | | | | | | | | |
| Cream of Corn Gluten Feed | G. | 23.00 | 1.50 | ..... | .... | .... | 8.50 | |
| American Maize Products Co. New York, N. Y. | F. | 23.56 | 3.81 | 64.29 | 1.86 | 6.48 | ..... | |
| Clinton Corn Gluten Feed | G. | 23.00 | 2.00 | 52.00 | .... | .... | 8.00 | |
| Clinton Corn Syrup Refining Co. Clinton, Iowa | F. | 24.81 | 3.08 | 61.08 | 3.89 | 7.14 | ..... | |
| Buffalo Corn Gluten Feed | G. | 23.00 | 1.00 | 50.00 | .... | .... | 8.50 | |
| Corn Products Refining Co. New York, N. Y. | F. | 25.86 | 2.64 | 57.24 | 5.08 | 9.18 | ..... | |
| Diamond Corn Gluten Meal | G. | 40.00 | 1.00 | 40.00 | .... | .... | 4.00 | |
| Corn Products Refining Co. New York, N. Y. | F. | 43.46 | 3.58 | 43.52 | 1.22 | 8.22 | ..... | |
| Jenk's Corn Gluten Feed | G. | 22.00 | 3.00 | ..... | .... | .... | 8.00 | Not colored. Corn starch by-product with corn bran. |
| Huron Milling Co. Harbor Beach, Mich. | F. | 22.90 | 5.21 | 62.14 | 2.46 | 7.29 | ..... | |
| Staley's Corn Gluten Feed | G. | 23.00 | 1.00 | 50.00 | .... | .... | 8.00 | |
| A. E. Staley Mfg. Co. Decatur, Ill. | F. | 25.31 | 1.09 | 60.58 | 3.34 | 9.68 | ..... | |

| HOMINY FEED | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Acme Hominy Feed | G. | 10.00 | 7.00 | ..... | .... | .... | 6.00 | Corn product. |
| Acme-Evans Co. | F. | 10.55 | 5.79 | 70.11 | 1.91 | 11.64 | ..... | |
| Indianapolis, Ind. | | | | | | | | |
| Homco Hominy Feed | G. | 10.00 | 6.00 | ..... | .... | .... | 6.00 | White corn only with corn screenings added |
| American Hominy Co. | F. | 9.77 | 6.51 | 71.26 | 2.32 | 10.14 | ..... | and part of germ removed. |
| Chicago, Ill. | | | | | | | | |
| Bufceco Hominy Feed | G. | 10.00 | 6.00 | ..... | .... | .... | 6.00 | Guaranteed pure. |
| Armour Grain Co. | F. | 11.62 | 5.52 | 68.89 | 2.49 | 11.48 | ..... | |
| Chicago, Ill. | | | | | | | | |
| "Emco" Evans Hominy Feed | G. | 10.00 | 7.50 | 55.00 | .... | .... | 7.00 | Absolutely pure from mixture. |
| Evans Milling Co. | F. | 11.30 | 7.65 | 71.04 | 2.79 | 7.22 | ..... | |
| Indianapolis, Ind. | | | | | | | | |
| B. C. White Hominy Feed | G. | 10.00 | 6.00 | 55.00 | .... | .... | 5.00 | Made from pure white corn. |
| Kellogg Toasted Corn Flakes Co. | F. | 10.55 | 7.22 | 69.94 | 2.40 | 9.89 | ..... | |
| Battle Creek, Mich. | | | | | | | | |
| Badger White Hominy Feed | G. | 10.00 | 5.00 | ..... | .... | .... | 5.00 | Made from white corn. |
| Chas. A. Krause Milling Co. | F. | 9.22 | 3.52 | 74.21 | 1.33 | 11.72 | ..... | |
| Milwaukee, Wis. | | | | | | | | |
| Choice Steam Cooked Hominy Feed.. | G. | 10.00 | 4.00 | ..... | .... | .... | 5.00 | |
| Miner-Hillard Milling Co. | F. | 10.68 | 5.60 | 71.29 | 2.14 | 10.29 | ..... | |
| Wilkes-Barre, Pa. | | | | | | | | |
| Pure Hominy Feed | G. | 10.00 | 6.50 | 69.20 | .... | .... | 4.80 | |
| Plymouth Milling Co. | F. | 9.79 | 6.12 | 73.73 | 2.00 | 8.36 | ..... | |
| Lemars, Iowa | | | | | | | | |
| Homco Yellow Hominy Feed | G. | 9.00 | 6.00 | ..... | .... | .... | 5.00 | Made from pure yellow corn. |
| Purity Oats Co. | F. | 10.29 | 4.88 | 72.64 | 1.92 | 10.27 | ..... | |
| Chicago, Ill. | | | | | | | | |
| Yellow Hominy Feed | G. | 10.50 | 5.00 | 64.00 | .... | .... | 6.00 | |
| Quaker Oats Co. | F. | 10.22 | 4.87 | 71.97 | 2.08 | 10.86 | ..... | |
| Chicago, Ill. | | | | | | | | |
| "Logan" Hominy Feed | G. | 10.00 | 7.00 | 60.00 | .... | .... | 6.00 | |
| Snyder Milling Co. | F. | 10.33 | 6.77 | 70.94 | 2.40 | 9.56 | ..... | |
| Chillicothe, Ohio | | | | | | | | |

| Brand and name and address of manufacturer | | Pounds in 100 lbs. of Feed Stuff | | | | | | Certified by manufacturer to contain |
|---|---|---|---|---|---|---|---|---|
| | | Protein | Fat | Carbo-hydrates | Ash | Moist-ure | Crude Fiber | |
| LINSEED MEAL | | | | | | | | |
| Alinco Old Process Linseed Oil Meal.. | G. | 32.00 | 5.00 | ..... | .... | .... | 8.00 | |
| American Linseed Co. ..... | F. | 32.23 | 6.11 | 45.58 | 6.15 | 9.93 | ..... | |
| Buffalo, N. Y. | | | | | | | | |
| Alinco Old Process Linseed Oil Meal.. | G. | 34.00 | 5.00 | 45.00 | .... | .... | 8.00 | |
| American Linseed Co. ..... | F. | 33.71 | 6.13 | 45.13 | 5.09 | 9.94 | ..... | |
| Buffalo, N. Y. | | | | | | | | |
| Old Process Ground Oil Cake ..... | G. | 32.00 | 5.00 | ..... | .... | .... | 10.00 | |
| Archer-Daniels Midland Co. ..... | F. | 31.51 | 6.68 | 46.85 | 6.02 | 8.94 | ..... | |
| Buffalo, N. Y. | | | | | | | | |
| Old Process Ground Oil Cake ..... | G. | 34.00 | 5.00 | ..... | .... | .... | 10.00 | |
| Archer-Daniels Midland Co. ..... | F. | 34.22 | 6.18 | 45.31 | 5.10 | 9.19 | ..... | |
| Buffalo, N. Y. | | | | | | | | |
| Old Process Ground Oil Cake ..... | G. | 32.00 | 5.00 | ..... | .... | .... | 10.00 | |
| Archer-Daniels Linseed Co. ..... | F. | 34.74 | 7.04 | 45.14 | 5.12 | 7.96 | ..... | |
| Edgewater, N. J. | | | | | | | | |
| Kellogg's Pure Old Process Oil Meal.. | G. | 31.00 | 5.00 | 45.00 | .... | .... | 10.00 | |
| Spencer Kellogg and Sons ..... | F. | 31.14 | 6.89 | 46.83 | 6.30 | 8.84 | ..... | |
| Undercliff, N. J. | | | | | | | | |
| Kellogg's Pure Old Process Oil Meal.. | G. | 34.00 | 5.00 | 45.00 | .... | .... | 10.00 | |
| Spencer Kellogg and Sons ..... | F. | 34.85 | 6.79 | 44.15 | 5.05 | 9.16 | ..... | |
| Buffalo, N. Y. | | | | | | | | |
| Pure Oil Meal (Old Process) ..... | G. | 30.00 | 4.00 | 37.00 | .... | .... | 9.00 | |
| Kelloggs and Miller ..... | F. | 31.96 | 5.89 | 47.04 | 6.16 | 8.95 | ..... | |
| Amsterdam, N. Y. | | | | | | | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 34% Protein Pure Old Precess Linseed Oil Meal | G. | 34.00 | 6.00 | ..... | .... | .... | 10.00 | |
| Mann Bros. Co. | F. | 31.30 | 6.86 | 45.62 | 5.68 | 10.54 | 8.26 | |
| Buffalo, N. Y. | | | | | | | | |
| Pure Old Process Linseed Oil Meal.. | G. | 34.00 | 6.00 | ..... | .... | .... | 10.00 | |
| Mann Bros. Co. | F. | 33.19 | 6.65 | 43.39 | 4.87 | 11.90 | ..... | |
| Buffalo, N. Y. | | | | | | | | |
| OAT FEED | | | | | | | | |
| Corno Feeding Oat Meal | G. | 14.00 | 5.00 | 60.00 | .... | .... | 39.00 | |
| Corno Mills Co. | F. | 15.81 | 5.30 | 68.93 | 2.07 | 7.89 | ..... | |
| East St. Louis, Ill. | | | | | | | | |
| Gold Medal Fine Ground Feeding Oatmeal | G. | 17.95 | 8.32 | 62.45 | 2.12 | 6.85 | 2.31 | |
| Northern Illinois Cereal Co. | F. | 17.22 | 7.83 | 64.72 | 2.45 | 7.78 | 3.91 | |
| Lockport, Ill. | | | | | | | | |
| Non-Pareil Oat Feed | G. | 4.00 | 1.28 | ..... | .... | .... | 30.00 | |
| Parkinson Cereal Co. | F. | 4.87 | 1.85 | 80.41 | 5.51 | 7.36 | ..... | |
| Thornbury, Ont. | | | | | | | | |
| Purity Oat Feed | G. | 5.00 | 1.50 | ..... | .... | .... | 30.00 | Oat middlings, oat shorts, oat hulls. |
| Purity Oats Co. | F. | 6.83 | 1.83 | 77.76 | 6.50 | 7.08 | ..... | |
| Chicago, Ill. | | | | | | | | |
| Purity Oat Groat Nutriment | G. | 14.00 | 5.00 | 65.00 | .... | .... | 4.00 | Made from steam cooked oat groats. |
| Purity Oats Company | F. | 15.99 | 5.96 | 67.75 | 2.32 | 7.98 | ..... | |
| Chicago, Ill. | | | | | | | | |
| Oat Hulls, Ground | G. | 5.00 | 2.00 | 50.00 | .... | .... | 28.00 | Oat meal mill by-product. |
| Quaker Oats Co. | F. | 4.62 | 1.55 | 80.80 | 6.04 | 6.99 | ..... | |
| Peterborough, Canada | | | | | | | | |
| PIG FEED | | | | | | | | |
| Purina Pig Chow Feed | G. | 20.00 | 3.20 | 52.00 | .... | .... | 8.00 | Hominy feed, cane molasses, corn meal, corn germ meal, digester tankage, linseed oil meal, old process, ground alfalfa, wheat middlings, 1% charcoal and 1% salt. |
| Ralston Purina Co. | F. | 22.12 | 4.81 | 54.83 | 8.60 | 9.64 | 7.14 | |
| St Louis, Mo. | | | | | | | | |

| Brand and name and address of manufacturer | | Pounds in 100 lbs. of Feed Stuff | | | | | | Certified by manufacturer to contain |
|---|---|---|---|---|---|---|---|---|
| | | Protein | Fat | Carbo-hydrates | Ash | Moist-ure | Crude Fiber | |
| New Hampshire Pig Ration | G. | 15.00 | 3.00 | 49.00 | .... | .... | 7.00 | Ground fancy oats (optional meal or hominy) flour middlings, high grade meat scraps. |
| Rockingham County Farmers' Exchange<br>Epping, N. H. | F. | 16.16 | 4.76 | 62.21 | 6.01 | 10.86 | 4.54 | |
| POULTRY FEED | | | | | | | | |
| Amco Poultry Mash | G. | 20.00 | 3.50 | ..... | .... | .... | 10.00 | Wheat bran, wheat middlings, corn gluten feed, corn feed meal, ground oats, meat scraps, linseed oil meal, dried skimmed milk. |
| Amendt Milling Co.<br>Monroe, Mich. | F. | 20.40 | 4.18 | 59.79 | 4.59 | 11.04 | 6.19 | |
| Protox Pure Ground Meat Scraps | G. | 55.00 | 10.00 | ..... | .... | .... | ..... | |
| American Agricultural Chemical Co.<br>New York, N. Y. | F. | 49.80 | 10.72 | ..... | 29.46 | 6.72 | ..... | |
| Armour's Cak-Cak Laying Mash | G. | 20.00 | 3.00 | 50.00 | .... | .... | 9.00 | Dried buttermilk, meat scraps, fish meal, oat meal, alfalfa meal, linseed meal, corn meal, bone meal, wheat bran, containing mill run ground screenings, yellow hominy feed, 1% carbonate of lime, ½% salt. |
| Armour Grain Co.<br>Chicago, Ill. | F. | 21.32 | 5.26 | 56.89 | 6.98 | 9.55 | 5.66 | |
| Iroquois Poultry Mash | G. | 15.00 | 4.00 | 60.00 | .... | .... | 6.00 | Corn feed meal, hominy feed, corn gluten feed, oat middlings, oat meal, wheat bran, wheat middlings, containing mill run ground screenings, ½ of 1% salt. |
| Armour Grain Co.<br>Chicago, Ill. | F. | 16.61 | 5.52 | 65.09 | 4.43 | 8.35 | 6.00 | |
| Beef Scraps "Star Brand" | G. | 35.00 | 10.00 | ..... | .... | .... | ..... | |
| Beach Soap Company<br>Lawrence, Mass. | F. | 40.59 | 15.56 | ..... | 33.24 | 7.04 | ..... | |
| Blatchford's Egg Mash | G. | 19.00 | 4.00 | 54.00 | .... | .... | 10.00 | Meat scraps, dried milk albumen, fish meal, blood flour, corn meal, wheat bran, oat meal, bean meal, alfalfa meal, wheat middlings, cocoanut oil meal, cocoanut shell meal, old process linseed meal, rice polish, barley meal, calcium carbonate and salt. |
| Blatchford Calf Meal Co.<br>Waukegan, Ill. | F. | 19.88 | 5.64 | 54.62 | 10.74 | 9.12 | 7.87 | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Breck's Ground Beef Scraps | G. | 43.00 | 12.00 | ..... | .... | .... | ..... | |
| Joseph L. Breck & Sons | F. | 46.69 | 12.66 | ..... | 28.13 | 6.59 | ..... | |
| Boston, Mass. | | | | | | | | |
| Burlington Poultry Feed | G. | 50.00 | 12.00 | ..... | .... | .... | ..... | Bone and meat scraps, animal product. |
| Burlington Rendering Co. | F. | 42.61 | 9.14 | ..... | 35.11 | 7.56 | ..... | |
| Burlington, Vt. | | | | | | | | |
| Green Mountain Mash | G. | 19.00 | 4.00 | 48.00 | .... | .... | 9.00 | Corn meal, ground oats, wheat middlings, cottonseed meal, gluten feed, linseed meal, rolled oats and fine ground alfalfa, bran, fine ground meat and fish scraps, charcoal and 1/10 of 1% salt. |
| Caledonia Mills, Inc. | F. | 18.73 | 4.63 | 59.25 | 7.28 | 10.11 | 9.34 | |
| St. Johnsbury, Vt. | | | | | | | | |
| Peerless Laying Mash | G. | 18.00 | 4.00 | 50.00 | .... | .... | 10.00 | Pure old process linseed meal, dried buttermilk, meat meal, wheat bran, wheat middlings, alfalfa meal, ½ of 1% fine table salt. |
| Clover Leaf Milling Co. | F. | 15.72 | 5.27 | 62.84 | 5.22 | 10.95 | 6.92 | |
| Buffalo, N. Y. | | | | | | | | |
| Cowee's Climax Mash | G. | 20.00 | 3.50 | 45.00 | .... | .... | 10.00 | Wheat bran, oats, gluten, corn middlings, linseed, bone and meat meal and fish scraps with buttermilk. |
| E. A. Cowee Co. | F. | 19.24 | 5.02 | 52.81 | 12.83 | 10.10 | 6.77 | |
| Fitchburg, Mass. | | | | | | | | |
| Poultry Food | G. | 35.00 | 5.00 | ..... | .... | .... | ..... | Meat and bone scraps. |
| E. A. Cowee Co. | F. | 36.94 | 15.25 | ..... | 34.81 | 5.33 | ..... | |
| Fitchburg, Mass. | | | | | | | | |
| Cushing Laying Mash | G. | 20.00 | 5.00 | 45.00 | .... | .... | 7.00 | Dried buttermilk, meat and fish scraps, wheat middlings, corn feed meal, wheat bran, corn gluten feed, ground oats, ground barley, hominy feed, 2% old process oil meal, 1% alfalfa meal. |
| J. Cushing Co. | F. | 24.04 | 6.09 | 51.91 | 8.10 | 9.86 | 6.39 | |
| Fitchburg, Mass. | | | | | | | | |
| Dow's 60% Beef Scraps | G. | 60.00 | 10.00 | ..... | .... | .... | ..... | Meat scraps. |
| John C. Dow Co. | F. | 59.83 | 15.54 | ..... | 14.84 | 7.89 | ..... | |
| Boston, Mass. | | | | | | | | |
| Dow's Ground Beef Scraps | G. | 43.00 | 12.00 | ..... | .... | .... | ..... | Meat scraps. |
| John C. Dow Co. | F. | 47.17 | 14.73 | ..... | 26.84 | 6.35 | ..... | |
| Boston, Mass. | | | | | | | | |
| Gold Coin Buttermilk Laying Mash | G. | 20.00 | 5.00 | 56.00 | .... | .... | 8.00 | Corn meal, pulverized oats, pulverized barley, wheat red dog, wheat middlings, wheat bran, corn gluten feed, oil meal, meat meal, bone meal, salt, dried buttermilk. |
| Eagle Roller Mills Co. | F. | 20.05 | 5.28 | 56.08 | 9.08 | 9.51 | 7.14 | |
| New Ulm, Minn. | | | | | | | | |

| Brand and name and address of manufacturer | | Pounds in 100 lbs. of Feed Stuff | | | | | | Certified by manufacturer to contain |
|---|---|---|---|---|---|---|---|---|
| | | Protein | Fat | Carbo-hydrates | Ash | Moist-ure | Crude Fiber | |
| Eastern's La-in-Egg Mash | G. | 20.00 | 5.00 | 45.00 | .... | .... | 7.00 | Dried buttermilk, meat and fish scraps, wheat middlings, corn feed meal, wheat bran, corn gluten feed, ground oats, ground barley, hominy feed, 2% old process linseed meal, 1% alfalfa meal. |
| Eastern Grain Co. | F. | 24.24 | 6.11 | 51.94 | 7.97 | 9.74 | 7.00 | |
| Portland, Me. | | | | | | | | |
| Eastern States Egg Mash | G. | 22.00 | 3.50 | 50.00 | .... | .... | 7.00 | Wheat flour middlings, corn gluten feed, ground oats, corn meal, standard wheat bran, meat scraps. |
| Eastern States Farmers' Exchange | F. | 22.42 | 4.74 | 56.77 | 4.84 | 11.23 | 7.00 | |
| Springfield, Mass. | | | | | | | | |
| Eshelman's Laying Mash | G. | 20.00 | 5.00 | 45.00 | .... | .... | 7.00 | 20% dried buttermilk, meat and fish scraps, wheat middlings, corn feed meal, wheat bran, corn gluten feed, ground oats, ground barley, hominy feed, 2% old process linseed meal, 1% alfalfa meal. |
| John W. Eshelman and Sons | F. | 22.24 | 6.22 | 55.48 | 6.86 | 9.20 | 6.06 | |
| Lancaster, Pa. | | | | | | | | |
| Capital Meat and Bone Scraps | G. | 45.00 | 10.00 | ..... | .... | .... | ..... | Meat and bone scraps. |
| Furbush and Co., Inc. | F. | 49.26 | 12.87 | ..... | 28.18 | 5.66 | ..... | |
| Boston, Mass. | | | | | | | | |
| Grandin's Poultry Dry Mash | G. | 20.00 | 3.00 | 50.00 | .... | .... | 10.00 | Ground fish, ground meat and bone, corn gluten feed, corn gluten meal, wheat bran, wheat middlings, corn meal, corn feed meal, hominy feed, ground oats, ground scratch feed, screenings consisting of corn, wheat, barley, kaffir corn, milo maize and buckwheat, powdered buttermilk, alfalfa meal, calcium carbonate and a small % of salt. Wheat bran and wheat middlings may contain ground screenings not exceeding mill run. |
| D. H. Grandin Milling Co. | F. | 22.58 | 4.83 | 55.19 | 9.25 | 8.15 | 8.64 | |
| Jamestown, N. Y. | | | | | | | | |
| Poultry Food | G. | 40.00 | 5.00 | ..... | .... | .... | ..... | |
| Greene Chick Feed Co. | F. | 39.70 | 16.56 | ..... | 31.04 | 6.02 | ..... | |
| Marblehead, Mass. | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|
| Red Comb Egg Mash | G. | 20.00 | 4.50 | 45.00 | .... | .... | 9.00 | Corn feed meal, ground oats, wheat middlings, wheat bran, linseed oil meal, corn gluten feed, meat scraps, alfalfa meal, dried buttermilk, 5% calcium carbonate. |
| Hales and Hunter Company | F. | 19.46 | 5.01 | 57.34 | 7.18 | 11.01 | 4.24 | |
| Chicago, Ill. | | | | | | | | |
| Meat and Bone Scraps | G. | 50.00 | 15.00 | ..... | .... | .... | ..... | |
| W. D. Higgins Co. | F. | 42.30 | 17.47 | ..... | 29.20 | 7.08 | ..... | |
| Framingham, Mass. | | | | | | | | |
| Kasco Full Nest Mash | G. | 20.00 | 4.00 | ..... | .... | .... | 8.50 | Wheat bran, wheat middlings, wheat red dog flour, corn meal, ground kaffir corn, linseed oil meal, corn gluten feed, ground oats, meat and bone scraps, fish meal, dried buttermilk, ¾ of 1% salt, beet pulp and alfalfa meal. |
| Kasco Mills, Inc. | F. | 21.98 | 5.13 | 55.56 | 7.07 | 10.26 | 8.22 | |
| Waverly, N. Y. | | | | | | | | |
| Blue Top Egg Mash | G. | 20.00 | 5.00 | ..... | .... | .... | 7.00 | Meat scraps, dried buttermilk, fine alfalfa meal, wheat bran and wheat middlings with mill run screenings, corn flour, Badger hominy feed, ground and bolted screenings from wheat and salt. |
| Chas. A. Krause Milling Co. | F. | 20.44 | 3.94 | 60.09 | 5.15 | 10.38 | 6.64 | |
| Milwaukee, Wis. | | | | | | | | |
| Peerless Poultry Feed | G. | 40.00 | 8.00 | ..... | .... | .... | ..... | Cooked meat and bone scraps. Animal product. |
| Lowell Rendering Co. | F. | 42.93 | 11.86 | ..... | 31.75 | 7.69 | ..... | |
| Lowell, Mass. | | | | | | | | |
| Perfection Poultry Feed | G. | 65.00 | 12.00 | ..... | .... | .... | ..... | Cooked meat and bone scraps. Animal product. |
| Lowell Rendering Co. | F. | 55.63 | 11.04 | ..... | 21.13 | 8.39 | ..... | |
| Lowell, Mass. | | | | | | | | |
| Poultry Mash | G. | 11.00 | 2.50 | 60.00 | .... | .... | 7.00 | Wheat and wheat by-products, corn by-products, gluten feed, alfalfa meal, barley meal, oat meal and a small amount of salt. |
| McQuesten and Lewis | F. | 20.01 | 4.69 | 56.39 | 9.27 | 9.64 | 6.24 | |
| Manchester, N. H. | | | | | | | | |
| Manchester Poultry Feed | G. | 40.00 | 8.00 | ..... | .... | .... | ..... | Cooked meat and bone scraps. |
| Manchester Rendering Co. | F. | 38.85 | 12.11 | ..... | 38.06 | 7.23 | ..... | products. |
| Manchester, N. H. | | | | | | | | |
| Marsh's Pure Ground Scraps | G. | 40.00 | 8.00 | ..... | .... | .... | ..... | Cooked meat and bone scraps. |
| George E Marsh Co. | F. | 42.28 | 12.05 | ..... | 31.62 | 6.86 | ..... | |
| Lynn, Mass. | | | | | | | | |
| Merrimack Egg Mash | G. | 21.00 | 5.00 | 50.00 | .... | .... | 5.00 | Corn meal, rolled oats, wheat bran, white wheat middlings, corn gluten feed and high grade meat scraps. |
| Merrimack Farmers' Exchange | F. | 22.33 | 5.57 | 56.73 | 7.14 | 8.23 | 5.00 | |
| Concord, N. H. | | | | | | | | |

| Brand and name and address of manufacturer | | Pounds in 100 lbs. of Feed Stuff | | | | | | Certified by manufacturer to contain |
|---|---|---|---|---|---|---|---|---|
| | | Protein | Fat | Carbo-hydrates | Ash | Moist-ure | Crude Fiber | |
| White Seal Meat Scraps<br>New England By-Products Corp.<br>Lawrence, Mass. | G.<br>F. | 43.00<br>41.42 | 5.00<br>8.54 | .....<br>..... | ....<br>39.91 | ....<br>5.57 | .....<br>..... | |
| Growing Feed<br>Park and Pollard Co.<br>Boston, Mass. | G.<br>F. | 10.00<br>15.39 | 1.50<br>4.06 | 50.00<br>64.23 | ....<br>6.44 | ....<br>9.88 | 8.00<br>6.54 | Ground corn, wheat, oats, barley, wheat meat and bone meal, wheat bran, with mill run screenings, wheat middlings, calcium carbonate salt and dried buttermilk. |
| Lay or Bust Dry Mash<br>Park and Pollard Co.<br>Boston, Mass. | G.<br>F. | 18.00<br>19.98 | 1.50<br>4.99 | 40.00<br>56.80 | ....<br>9.81 | ....<br>8.42 | 12.00<br>7.45 | Ground corn, wheat, oats, barley, kaffir corn, buckwheat, alfalfa, fish, meat, bone, wheat bran, mill run of screenings, wheat middlings, calcium carbonate, salt and dried buttermilk. |
| Fish Meal, Chesapeake Bay Brand<br>Potomac Poultry Food Co.<br>Baltimore, Md. | G.<br>F. | 57.00<br>54.88 | 8.00<br>7.69 | .....<br>..... | 18.00<br>21.86 | ....<br>8.28 | .....<br>..... | |
| Ful-o-Pep Dry Mash<br>Quaker Oats Co.<br>Chicago, Ill. | G.<br>F. | 20.00<br>21.15 | 4.00<br>5.31 | 45.00<br>57.03 | ....<br>8.98 | ....<br>7.53 | 10.00<br>8.02 | Hominy feed, yellow hominy feed, corn gluten feed, oat meal, cottonseed meal, wheat bran and wheat middlings with ground screenings not exceeding mill run. Bone meal, fish meal, meat scraps, alfalfa meal, ground grain screenings from wheat. |
| Purina Baby Chick Chow Feed<br>Ralston-Purina Co.<br>St. Louis, Mo. | G.<br>F. | 10.00<br>11.04 | 2.00<br>2.77 | 67.00<br>72.78 | ....<br>1.45 | ....<br>11.96 | 4.00<br>6.09 | Wheat, corn, kaffir, milo and millet. |
| Purina Chick Startena Feed<br>Ralston Purina Co.<br>St. Louis, Mo. | G.<br>F. | 17.00<br>19.22 | 4.00<br>5.48 | 52.00<br>59.50 | 5.00<br>6.29 | ....<br>9.51 | 7.50<br>6.89 | Corn meal, wheat bran, dried buttermilk, oat meal, alfalfa flour, linseed flour, wheat middlings, granulated meat, ½ of 1% charcoal and ½ of 1% salt. |

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|---|---|---|---|---|---|---|---|---|
| Purina Chicken Chowder Feed ..... | G. | 19.00 | 4.00 | 55.00 | .... | .... | 9.00 | Wheat middlings, wheat bran, gluten feed from corn, corn meal, alfalfa flour, linseed flour, granulated meat, charcoal, 1% salt. |
| Ralston-Purina Co. ..... | F. | 20.05 | 4.92 | 58.96 | 7.10 | 8.97 | 9.00 | |
| St. Louis, Mo. | | | | | | | | |
| Rauh's Meato ..... | G. | 75.00 | 10.00 | ..... | 10.00 | .... | ..... | Meat products. |
| E. Rauh and Sons Animal Feed Co. .. | F. | 73.21 | 11.02 | ..... | 9.68 | 6.01 | ..... | |
| Indianapolis, Ind. | | | | | | | | |
| Reardon's Rear-Em-Right" Beef Scraps | G. | 60.00 | .... | ..... | .... | .... | ..... | |
| John Reardon and Sons, Co. ..... | F. | 52.84 | 9.75 | ..... | 27.96 | 5.66 | ..... | |
| Cambridge, Mass. | | | | | | | | |
| Reardon's Rear-Em-Right Brand Beef Scraps ..... | G. | 50.00 | .... | ..... | .... | .... | ..... | |
| John Reardon and Sons, Co. ..... | F. | 45.62 | 9.57 | ..... | 36.45 | 5.43 | ..... | |
| Cambridge, Mass. | | | | | | | | |
| New Hampshire Poultry Ration Dry Mash ..... | G. | 20.00 | 5.00 | 41.00 | .... | .... | 6.00 | Gluten feed, red dog, middlings, oat meal, bran, hominy, high grade meat scraps. |
| Rockingham County Farmers' Exchange | F. | 21.19 | 5.98 | 55.11 | 9.25 | 8.47 | 5.01 | |
| Epping, N. H. | | | | | | | | |
| Vitality Egg Mash ..... | G. | 20.00 | 4.00 | 48.00 | .... | .... | 7.00 | Buttermilk, oat meal, meat scraps, bone meal, corn feed meal, wheat middlings, alfalfa meal, corn germ meal. |
| Rosenbaum Brothers ..... | F. | 20.82 | 4.76 | 56.26 | 8.48 | 9.68 | 6.90 | |
| Chicago, Ill. | | | | | | | | |
| Wirthmore Buttermilk Mash with Fish and Meat Scraps ..... | G. | 20.00 | 4.00 | 50.00 | .... | .... | 8.50 | Pure dried buttermilk, ground oats, barley, corn, wheat bran, wheat middlings, not exceeding mill run screenings, corn gluten feed, beet pulp, ground rolled oats, choice fine ground beef scraps, fish meal, linseed meal, buckwheat, about ¾ of 1% salt. |
| St. Albans Grain Co. ..... | F. | 22.77 | 5.58 | 54.07 | 9.12 | 8.46 | 6.12 | |
| St. Albans, Vt. | | | | | | | | |
| Wirthmore Growing Feed ..... | G. | 15.00 | 4.50 | 50.00 | .... | .... | 4.50 | Pure dried buttermilk, edible bone meal, ground wheat, corn, oats, barley, peas, milo, maize, wheat bran, wheat middlings, not exceeding mill run of screenings, red dog flour and choice fine ground beef scraps. |
| St. Albans Grain Co. ..... | F. | 19.37 | 5.51 | 56.12 | 8.61 | 10.39 | 4.50 | |
| St. Albans, Vt. | | | | | | | | |
| Ti-O-Ga Growing Mash ..... | G. | 12.00 | 2.00 | ..... | .... | .... | 6.00 | Wheat middlings, corn feed meal, wheat bran, powdered buttermilk, kaffir corn meal, corn gluten feed, 2½% phosphate of lime. |
| Tioga Mill and Elevator Co. ..... | F. | 13.58 | 3.87 | 65.58 | 5.03 | 11.94 | 4.94 | |
| Waverly, N. Y. | | | | | | | | |

| Brand and name and address of manufacturer | | Pounds in 100 lbs. of Feed Stuff | | | | | | Certified by manufacturer to contain |
|---|---|---|---|---|---|---|---|---|
| | | Protein | Fat | Carbo-hydrates | Ash | Moist-ure | Crude Fiber | |
| Ti-O Ga Laying Food<br>Tioga Mill and Elevator Co.<br>Waverly, N. Y. | G.<br>F. | 17.00<br>19.86 | 2.50<br>4.74 | .....<br>56.76 | ....<br>6.96 | ....<br>11.68 | 6.00<br>5.21 | Wheat middlings, corn gluten meal, meat and bone scraps, 2½% phosphate of lime, fish meal and wheat bran. |
| Ubiko Egg Mash<br>Ubiko Milling Co.<br>Cincinnati, Ohio | G.<br>F. | 20.00<br>22.40 | 4.00<br>4.70 | 53.00<br>53.05 | 8.00<br>9.61 | ....<br>10.24 | 6.00<br>5.82 | Meat meal, bone meal, corn meal, wheat bran, wheat middlings, whole ground oats, corn gluten feed, old process linseed meal and dried buttermilk. |
| Blue Seal Dry Mash<br>H. K. Webster Co.<br>Lawrence, Mass. | G.<br>F. | 16.00<br>19.98 | 3.00<br>5.81 | 55.00<br>56.39 | ....<br>8.88 | ....<br>8.94 | 10.00<br>8.17 | Wheat feed, corn meal, gluten feed, rolled oats, ground oats, beef scraps, fish scraps, oil meal and calf meal. |
| Singlex Brand Meat Scraps<br>Whitman and Pratt Rendering Co.<br>Boston, Mass. | G.<br>F. | 45.00<br>42.64 | 12.00<br>14.68 | .....<br>..... | ....<br>30.35 | ....<br>6.80 | .....<br>..... | |
| WHEAT FEED | | | | | | | | |
| Wheat Bran and Wheat Screenings<br>Abilene Flour Mills Co.<br>Abilene, Kansas | G.<br>F. | 14.50<br>16.11 | 3.50<br>4.14 | 50.00<br>63.61 | ....<br>6.88 | ....<br>9.26 | 11.00<br>..... | Not to exceed 5% screenings. |
| Trojan Bran<br>Allen and Wheeler Co.<br>Troy, Ohio | G.<br>F. | 15.00<br>15.46 | 4.00<br>4.00 | 52.00<br>63.94 | ....<br>6.77 | ....<br>9.83 | 9.50<br>..... | Pure wheat feed. |
| Trojan Mixed Feed<br>Allen and Wheeler Co.<br>Troy, Ohio | G.<br>F. | 15.50<br>15.55 | 4.00<br>4.12 | 52.00<br>64.41 | ....<br>5.79 | ....<br>10.13 | 8.00<br>..... | Wheat feed with ground screenings not exceeding mill run. |
| Amco Pure Wheat Bran<br>Amendt Milling Co.<br>Monroe, Mich. | G.<br>F. | 15.00<br>16.55 | 3.00<br>4.09 | 53.34<br>62.93 | ....<br>6.31 | ....<br>10.12 | 12.55<br>..... | |

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|---|---|---|---|---|---|---|---|---|
| Bran | G. | 15.50 | 4.00 | 55.25 | .... | .... | 9.50 | Wheat bran with ground screenings not exceeding mill run. |
| Ansted and Burk Co. | F. | 15.94 | 4.01 | 64.07 | 7.11 | 8.87 | ..... | |
| Springfield, Ohio | | | | | | | | |
| Middlings | G. | 16.25 | 4.00 | 61.50 | .... | .... | 5.75 | Wheat middlings with ground screenings not exceeding mill run. |
| Ansted and Burk Co. | F. | 15.89 | 4.09 | 65.96 | 4.06 | 10.00 | ..... | |
| Springfield, Ohio | | | | | | | | |
| Mixed Feed | G. | 16.50 | 4.00 | 60.50 | .... | .... | 11.50 | Wheat mixed feed with ground screenings not exceeding mill run. |
| Ansted and Burk Co. | F. | 16.18 | 4.24 | 64.96 | 5.29 | 9.33 | ..... | |
| Springfield, Ohio | | | | | | | | |
| Red Dog | G. | 15.00 | 3.20 | 64.50 | .... | .... | 3.50 | |
| Ansted and Burk Co. | F. | 15.85 | 3.89 | 67.53 | 2.20 | 10.53 | ..... | |
| Springfield, Ohio | | | | | | | | |
| Astoria Standard Superior Bran | G. | 12.00 | 3.00 | ..... | .... | .... | 12.00 | |
| Astoria Flouring Mills Co. | F. | 14.45 | 4.68 | 65.05 | 5.31 | 10.51 | ..... | |
| Astoria, Oregon | | | | | | | | |
| Atkinson's Watchword Red Dog Flour | G. | 17.00 | 4.00 | 60.00 | .... | .... | 4.00 | |
| Atkinson Milling Co. | F. | 15.47 | 3.55 | 66.89 | 2.29 | 11.80 | ..... | |
| Minneapolis, Minn. | | | | | | | | |
| E-A-Co. Standard Middlings | G. | 15.00 | 3.00 | 50.00 | .... | .... | 9.50 | With ground screenings not exceeding mill run. |
| Everett, Aughenbaugh and Co. | F. | 15.15 | 5.34 | 65.49 | 4.79 | 9.23 | ..... | |
| Waseco, Minn. | | | | | | | | |
| Bailey Fancy Feed | G. | 15.00 | 3.75 | 49.00 | .... | .... | 10.00 | |
| E. W. Bailey and Co. | F. | 16.86 | 4.59 | 62.45 | 5.68 | 10.42 | ..... | |
| Montpelier, Vt. | | | | | | | | |
| Capitol Mixed Feed | G. | 14.00 | 3.00 | 60.00 | .... | .... | 7.00 | Wheat bran and second-clear flour. |
| E. W. Bailey and Co. | F. | 15.64 | 4.65 | 65.77 | 4.15 | 9.79 | ..... | |
| Swanton, Vt. | | | | | | | | |
| Mixed Feed | G. | ..... | .... | ..... | .... | .... | ..... | |
| E. W. Bailey and Co. | F. | 17.01 | 4.43 | 62.85 | 5.48 | 10.23 | ..... | |
| Swanton, Vt. | | | | | | | | |
| Brooks' Fancy Mixed Feed | G. | 16.00 | 5.00 | ..... | .... | .... | 9.00 | |
| Caledonia Mills Inc. | F. | 16.38 | 5.93 | 61.26 | 4.45 | 11.98 | ..... | |
| St. Johnsbury, Vt. | | | | | | | | |

| Brand and name and address of manufacturer | | Pounds in 100 lbs. of Feed Stuff | | | | | | Certified by manufacturer to contain |
|---|---|---|---|---|---|---|---|---|
| | | Protein | Fat | Carbo-hydrates | Ash | Moist-ure | Crude Fiber | |
| Commander Flour Middlings | G. | 16.50 | 5.00 | 53.00 | .... | .... | 8.00 | With ground screenings not exceeding mill run. |
| Commander Mill Co. Minneapolis, Minn. | F. | 16.74 | 5.14 | 62.96 | 4.09 | 11.07 | ..... | |
| Fine Middlings | G. | 15.00 | 5.00 | ..... | .... | .... | 9.00 | Ground screening not exceeding mill run. |
| Crookston Milling Co. Crookston, Minn. | F. | 16.03 | 5.67 | 62.59 | 3.84 | 11.87 | ..... | |
| Mixed Feed | G. | 14.50 | 4.00 | 45.00 | .... | .... | 6.00 | Screenings not exceeding mill run. |
| J. Cushing Co. Fitchburg, Mass. | F. | 14.50 | 4.72 | 66.34 | 4.51 | 9.93 | ..... | |
| Bran | G. | 15.00 | 3.50 | ..... | .... | .... | 11.50 | |
| Dominion Flour Mills Montreal, Canada | F. | 15.92 | 6.12 | 63.01 | 6.07 | 8.88 | ..... | |
| Middlings | G. | 15.00 | 4.00 | ..... | .... | .... | 8.00 | Mill run of screenings. |
| Dominion Flour Mills Montreal, Canada | F. | 17.30 | 5.71 | 63.44 | 3.98 | 9.57 | ..... | |
| Shorts | G. | 16.00 | 5.00 | ..... | .... | .... | 8.00 | Mill run of screenings. |
| Dominion Flour Mills Montreal, Canada | F. | 17.10 | 6.13 | 62.59 | 4.89 | 9.29 | ..... | |
| Bran | G. | 13.80 | 4.10 | ..... | .... | .... | 12.70 | Ground screening not exceeding mill run. |
| Duluth-Universal Milling Co. Duluth, Minn. | F. | 15.41 | 5.08 | 62.94 | 5.71 | 10.86 | ..... | |
| Durum Bran | G. | 14.00 | 5.00 | 60.00 | .... | .... | 11.25 | Ground screenings not exceeding mill run. |
| Duluth Superior Milling Co. Duluth, Minn. | F. | 16.29 | 5.16 | 63.70 | 4.86 | 9.99 | ..... | |
| Middlings | G. | 15.00 | 4.00 | 53.00 | .... | .... | 9.50 | Ground screenings not exceeding mill run. |
| Eagle Roller Mill Co. New Ulm, Minn. | F. | 16.46 | 5.79 | 62.09 | 4.98 | 10.68 | ..... | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Wheat Bran | G. | 14.00 | 4.00 | 49.00 | .... | .... | 12.00 | Ground screenings not exceeding mill run. |
| Eagle Roller Mill Co. New Ulm, Minn. | F. | 14.63 | 5.32 | 64.50 | 5.71 | 9.84 | ..... | |
| Bran | G. | ..... | .... | ..... | .... | .... | ..... | |
| Eastern States Farmers' Exchange Springfield, Mass. | F. | 14.94 | 5.97 | 63.53 | 5.12 | 10.44 | ..... | |
| Dairy Maid Middlings | G. | 14.00 | 4.00 | 55.50 | .... | .... | 6.50 | Ground screenings not exceeding mill run. |
| Federal Mill and Elevator Co., Inc. Lockport, N. Y. | F. | 16.20 | 5.06 | 65.37 | 4.01 | 9.36 | ..... | |
| Dairy Maid Middlings | G. | 16.00 | 5.00 | 50.00 | .... | .... | 7.00 | Ground screenings not exceeding mill run. |
| Federal Mill and Elevator Co., Inc. Lockport, N. Y. | F. | 16.69 | 5.00 | 63.69 | 3.64 | 10.98 | ..... | |
| Kennel Club Flour | G. | 15.50 | 3.50 | 62.50 | .... | .... | 0.50 | |
| Federal Mill and Elevator Co., Inc. Lockport, N. Y. | F. | 14.29 | 2.68 | 70.21 | 1.19 | 11.63 | ..... | |
| Lucky Bran | G. | 15.00 | 4.00 | 46.50 | .... | .... | 12.00 | Ground screenings not exceeding mill run. |
| Federal Mill and Elevator Co., Inc. Lockport, N. Y. | F. | 15.20 | 4.84 | 63.45 | 6.65 | 9.86 | ..... | |
| Lucky Bran | G. | 15.50 | 5.00 | 50.00 | .... | .... | 12.00 | Ground screenings not exceeding mill run. |
| Federal Mill and Elevator Co., Inc. Lockport, N. Y. | F. | 15.37 | 5.11 | 62.85 | 6.46 | 10.21 | ..... | |
| Lucky Middlings | G. | 16.50 | 5.00 | 50.00 | .... | .... | 7.50 | Ground screenings not exceeding mill run. |
| Federal Mill and Elevator Co., Inc. Lockport, N. Y. | F. | 17.21 | 5.66 | 62.34 | 4.07 | 10.72 | ..... | |
| Lucky Mixed Feed | G. | 15.50 | 4.50 | 48.00 | .... | .... | 10.50 | Hard wheat bran and hard wheat flour middlings with ground screenings not exceeding mill run. |
| Federal Mill and Elevator Co., Inc. Lockport, N. Y. | F. | 17.06 | 4.87 | 62.00 | 5.60 | 10.47 | ..... | |
| Wheat Bran | G. | 15.00 | 4.00 | ..... | .... | .... | 11.50 | Not exceeding mill run of screenings. |
| Jas. Goldie Co., Ltd. Guelph, Ont. | F. | 15.59 | 5.81 | 62.16 | 6.08 | 10.36 | ..... | |
| Wheat Shorts | G. | 17.00 | 6.00 | ..... | .... | .... | 8.00 | Not exceeding mill run of screenings. |
| Jas. Goldie Co., Ltd. Guelph, Ont. | F. | 17.34 | 6.00 | 61.72 | 4.07 | 10.87 | ..... | |

| Brand and name and address of manufacturer | | Pounds in 100 lbs. of Feed Stuff | | | | | | Certified by manufacturer to contain |
|---|---|---|---|---|---|---|---|---|
| | | Protein | Fat | Carbo-hydrates | Ash | Moist-ure | Crude Fiber | |
| Pure Bran<br>Heywood Milling Co.<br>Jaekson, Mich. | G.<br>F. | 12.00<br>15.72 | 3.50<br>3.97 | 55.00<br>64.10 | ....<br>5.92 | ....<br>10.29 | 14.00<br>..... | Choice winter wheat guaranteed to contain no ground screenings or dirt from receiving separators. |
| Pure Middlings<br>Heywood Milling Co.<br>Jackson, Mich. | G.<br>F. | 15.70<br>17.91 | 4.25<br>4.77 | 55.00<br>63.08 | ....<br>3.94 | ....<br>10.30 | 8.00<br>..... | Choice selected wheat guaranteed to contain no ground screenings or dirt from receiving separators. |
| Granite State Mixed Feed<br>E. C. and W. L. Hopkins<br>Greenfield, N. H. | G.<br>F. | 15.00<br>15.68 | 4.00<br>5.06 | 55.00<br>64.42 | ....<br>4.91 | ....<br>9.93 | 8.50<br>..... | Wheat bran and wheat red dog flour with ground screenings not exceeding mill run. |
| Jenk's Mixed Feed<br>Huron Milling Co.<br>Harbor Beach, Mich. | G.<br>F. | 12.50<br>14.45 | 3.50<br>4.38 | 60.00<br>65.50 | ....<br>5.11 | ....<br>10.56 | 11.50<br>..... | Ground screenings not exceeding mill run. |
| Black Hawk Standard Middlings<br>International Milling Co.<br>Minneapolis, Minn. | G.<br>F. | 16.50<br>17.12 | 4.50<br>4.74 | 52.00<br>62.55 | ....<br>5.27 | ....<br>10.32 | 8.50<br>..... | Ground screenings not exceeding mill run. |
| Clover Leaf Pure Bran<br>King Midas Milling Co.<br>Minneapolis, Minn. | G.<br>F. | 14.50<br>15.41 | 3.50<br>5.11 | .....<br>64.59 | ....<br>5.29 | ....<br>9.60 | 12.00<br>..... | Pure wheat bran. |
| King Midas Feed<br>King Midas Milling Co.<br>Minneapolis, Minn. | G.<br>F. | 15.50<br>15.59 | 4.50<br>4.68 | .....<br>64.24 | ....<br>4.58 | ....<br>10.91 | 10.00<br>..... | Pure wheat bran, standard middlings, low grade wheat flour and pulverized wheat screening not exceeding mill run. |
| Snowball Flour Middlings<br>King Midas Milling Co.<br>Minneapolis, Minn. | G.<br>F. | 16.00<br>16.38 | 4.00<br>5.36 | 55.00<br>63.29 | ....<br>4.04 | ....<br>10.93 | 6.00<br>..... | Wheat standard middlings and ground cleaned wheat screenings not exceeding mill run and red dog wheat flour. |
| Lakewoods Bran<br>Lake of the Woods Milling Co., Ltd...<br>Montreal, Canada | G.<br>F. | 15.00<br>14.94 | 3.50<br>5.70 | .....<br>62.76 | ....<br>6.21 | ....<br>10.39 | 11.50<br>..... | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Lakewoods Shorts | G. | 16.00 | 3.00 | ..... | .... | .... | 8.00 | |
| Lake of the Woods Milling Co., Ltd... | F. | 16.46 | 4.63 | 64.14 | 4.25 | 10.52 | ..... | |
| Montreal, Canada | | | | | | | | |
| Wheat Bran and Wheat Screenings ... | G. | 15.00 | 3.50 | 50.00 | .... | .... | 10.00 | Not to exceed mill run or 8%. |
| Larabee Flour Mills Corp. ..... | F. | 16.07 | 4.77 | 63.41 | 6.92 | 8.83 | ..... | |
| Kansas City, Mo. | | | | | | | | |
| Waseo Bran ..... | G. | 14.50 | 4.00 | ..... | .... | .... | 9.50 | Soft winter wheat with ground screenings |
| Lyon and Greenleaf ..... | F. | 15.41 | 4.00 | 65.01 | 6.52 | 9.06 | ..... | not exceeding mill run. |
| Wauseon, O. | | | | | | | | |
| Waseo Middlings ..... | G. | 16.00 | 4.00 | ..... | .... | .... | 6.00 | Ground screenings not exceeding mill run. |
| Lyon and Greenleaf ..... | F. | 17.21 | 4.54 | 64.45 | 3.87 | 9.93 | ..... | |
| Wauseon, O. | | | | | | | | |
| Bran ..... | G. | 15.00 | 4.00 | 49.00 | .... | .... | 11.50 | |
| Maple Leaf Milling Co. ..... | F. | 15.33 | 5.89 | 62.18 | 6.27 | 10.33 | ..... | |
| Toronto, Canada | | | | | | | | |
| Rex Wheat Shorts ..... | G. | 16.00 | 5.00 | 52.00 | .... | .... | 9.50 | Screenings not exceeding mill run. |
| Maple Leaf Milling Co. ..... | F. | 16.60 | 5.43 | 63.32 | 4.33 | 10.32 | ..... | |
| Toronto, Canada | | | | | | | | |
| Bessie Anna Bran ..... | G. | 16.50 | 4.00 | 49.00 | .... | .... | 10.00 | Wheat bran with ground screenings not |
| Midland Flour Milling Co. ..... | F. | 16.50 | 4.42 | 62.70 | 6.96 | 9.42 | ..... | exceeding 8%. |
| Kansas City | | | | | | | | |
| Montco Middlings ..... | G. | 15.00 | 4.00 | ..... | .... | .... | 10.00 | |
| Montana Flour Mills Co. ..... | F. | 17.60 | 4.98 | 61.71 | 4.72 | 10.99 | ..... | |
| Great Falls, Mont. | | | | | | | | |
| Middlings ..... | G. | 15.00 | 5.00 | ..... | .... | .... | 7.50 | Wheat middlings, fresh ground. |
| Geo. Q. Moon and Co., Inc..... | F. | 16.86 | 4.70 | 66.01 | 3.04 | 9.39 | ..... | |
| Binghampton, N. Y. | | | | | | | | |
| Big B Bran ..... | G. | 13.50 | 3.00 | 51.00 | .... | .... | 13.00 | |
| Moseley and Motley Milling Co. ..... | F. | 14.67 | 5.61 | 63.41 | 6.32 | 9.99 | ..... | |
| Rochester, New York | | | | | | | | |
| Bran ..... | G. | 14.00 | 3.00 | 49.00 | .... | .... | 10.00 | Ground screenings not exceeding mill run. |
| National Milling Co. ..... | F. | 15.99 | 3.75 | 64.60 | 6.63 | 9.03 | ..... | |
| Toledo, Ohio | | | | | | | | |

| Brand and name and address of manufacturer | Pounds in 100 lbs. of Feed Stuff | | | | | | | Certified by manufacturer to contain |
|---|---|---|---|---|---|---|---|---|
| | | Protein | Fat | Carbo-hydrates | Ash | Moist-ure | Crude Fiber | |
| Middlings | G. | 17.00 | 3.50 | 49.00 | .... | .... | 9.00 | Ground screenings not exceeding mill run. |
| National Milling Co. Toledo, Ohio | F. | 17.65 | 4.96 | 64.02 | 4.72 | 8.65 | ..... | |
| Osota Feed | G. | 15.00 | 4.50 | 49.00 | .... | .... | 10.00 | Wheat bran and wheat middlings with ground screenings not exceeding mill run. |
| National Milling Co. Toledo, Ohio | F. | 17.69 | 5.76 | 62.23 | 4.33 | 9.99 | ..... | |
| Pennant Feed | G. | 15.00 | 3.75 | 49.00 | .... | .... | 8.50 | Wheat bran, wheat middlings and wheat flour with ground screenings not exceeding mill run and salt. |
| National Milling Co. Toledo, Ohio | F. | 17.60 | 5.54 | 62.25 | 4.09 | 10.52 | ..... | |
| Niagara Choice Middlings | G. | 15.50 | 4.00 | ..... | .... | .... | 9.50 | Trace of screenings. |
| Niagara Falls Milling Co. Niagara Falls, N. Y. | F. | 17.25 | 5.95 | 63.98 | 4.35 | 8.47 | ..... | |
| Niagara Choice Mixed Feed | G. | 15.50 | 2.50 | ..... | .... | .... | 9.00 | No ground screenings. |
| Niagara Falls Milling Co. Niagara Falls, N. Y. | F. | 15.76 | 4.98 | 63.76 | 4.97 | 10.53 | ..... | |
| XXX Comet | G. | 16.00 | 4.00 | 60.00 | .... | .... | 4.00 | Pure wheat product composed of red dog wheat flour. |
| Northwestern Consolidated Milling Co.. Minneapolis, Minn. | F. | 19.85 | 5.14 | 61.02 | 3.06 | 10.93 | ..... | |
| Planet Feed | G. | 15.00 | 4.00 | 55.00 | .... | .... | 8.00 | Mixture of wheat bran and red dog wheat flour. No screening. No scourings. |
| Northwestern Consolidated Milling Co.. Minneapolis, Minn. | F. | 16.99 | 5.07 | 62.19 | 4.55 | 11.20 | ..... | |
| Pure Bran | G. | 13.00 | 4.00 | 50.00 | .... | .... | 13.00 | No screenings. No scourings. |
| Northwestern Consolidated Milling Co.. Minneapolis, Minn. | F. | 15.68 | 5.44 | 61.25 | 6.52 | 11.11 | ..... | |
| Standard Middlings | G. | 14.00 | 4.00 | 53.00 | .... | .... | 9.50 | Ground screenings not exceeding mill run. |
| Northwestern Consolidated Milling Co.. Minneapolis, Minn. | F. | 16.46 | 4.91 | 63.00 | 5.01 | 10.62 | ..... | |

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|---|---|---|---|---|---|---|---|---|
| Wheat Bran | G. | 14.00 | 3.00 | 57.00 | .... | .... | 10.00 | |
| Ogilvie Flour Mills Co., Ltd. | F. | 15.24 | 5.78 | 62.75 | 6.13 | 10.10 | ..... | |
| Montreal, Canada | | | | | | | | |
| Wheat Middlings | G. | 15.00 | 4.00 | 57.00 | .... | .... | 8.00 | Ground screenings not exceeding mill run. |
| Ogilvie Flour Mills Co., Ltd. | F. | 17.04 | 4.67 | 64.05 | 4.35 | 9.89 | ..... | |
| Montreal, Canada | | | | | | | | |
| Pretty Special Mixed Feed | G. | 16.00 | 4.00 | 50.00 | .... | .... | 9.00 | Red dog flour, wheat bran with mill run of screenings. |
| Park and Pollard Co. | F. | 16.51 | 4.84 | 64.20 | 3.26 | 11.19 | ..... | |
| Boston, Mass. | | | | | | | | |
| Wheat Flour Middlings | G. | 16.00 | 5.00 | ..... | .... | .... | 6.00 | Screenings not exceeding mill run. |
| Park and Pollard Co. | F. | 16.59 | 4.57 | 63.80 | 2.80 | 12.24 | ..... | |
| Boston, Mass. | | | | | | | | |
| Pillsbury's Bran | G. | 14.00 | 4.00 | 51.00 | .... | .... | 12.00 | Hard wheat bran and ground cleaned wheat screenings not exceeding mill run. |
| Pillsbury Flour Mills Co. | F. | 15.20 | 4.94 | 63.83 | 5.99 | 10.04 | ..... | |
| Minneapolis, Minn. | | | | | | | | |
| Pillsbury's XX Daisy | G. | 16.00 | 4.00 | 58.00 | .... | .... | 4.00 | Low grade wheat flour . |
| Pillsbury Flour Mills Co. | F. | 16.42 | 4.56 | 64.10 | 2.19 | 12.73 | ..... | |
| Minneapolis, Minn. | | | | | | | | |
| Pillsbury's Fancy Mixed Feed | G. | 15.00 | 4.00 | 55.00 | .... | .... | 8.50 | Low grade wheat flour, hard wheat bran with ground cleaned wheat screenings not exceeding mill run. |
| Pillsbury Flour Mills Co. | F. | 16.95 | 5.11 | 64.19 | 4.27 | 9.48 | ..... | |
| Minneapolis, Minn. | | | | | | | | |
| Pillsbury's A Middlings | G. | 16.00 | 4.00 | 56.00 | .... | .... | 6.00 | Low grade wheat flour, hard wheat standard B middlings. Reground cleaned wheat screenings not exceeding mill run. |
| Pillsbury Flour Mills Co. | F. | 16.64 | 4.42 | 63.57 | 4.87 | 10.50 | ..... | |
| Minneapolis, Minn. | | | | | | | | |
| Pillsbury's Standard B Middlings | G. | 15.00 | 4.00 | 53.00 | .... | .... | 9.50 | Hard wheat standard middlings and ground cleaned wheat screenings not exceeding mill run. |
| Pillsbury Flour Mills Co. | F. | 16.42 | 4.83 | 64.83 | 4.10 | 9.82 | ..... | |
| Minneapolis, Minn. | | | | | | | | |
| P Bran | G. | 15.00 | 3.00 | 55.00 | .... | .... | 11.00 | Wheat bran with wheat screenings not exceeding mill run. |
| Geo. P. Plant Milling Co. | F. | 15.90 | 3.47 | 63.32 | 7.04 | 10.27 | ..... | |
| St. Louis, Mo. | | | | | | | | |
| Champion Mixed Feed | G. | 13.56 | 3.58 | 56.60 | .... | .... | 8.47 | Ground screenings not exceeding mill run. |
| Portland Milling Co. | F. | 16.64 | 4.96 | 64.05 | 5.21 | 9.14 | ..... | |
| Portland, Mich. | | | | | | | | |

| Brand and name and address of manufacturer | | Pounds in 100 lbs. of Feed Stuff | | | | | | Certified by manufacturer to contain |
|---|---|---|---|---|---|---|---|---|
| | | Protein | Fat | Carbo-hydrates | Ash | Moist-ure | Crude Fiber | |
| Champion White Middlings ..... | G. | 15.10 | 3.00 | 64.50 | .... | .... | 2.90 | |
| Portland Milling Co. ..... | F. | 15.11 | 3.29 | 68.73 | 2.02 | 10.85 | ..... | |
| Portland, Mich. | | | | | | | | |
| Bran ..... | G. | 13.00 | 3.00 | 50.00 | .... | .... | 10.50 | Winter wheat. |
| Quaker City Flour Mills Co. ..... | F. | 15.33 | 4.25 | 64.03 | 5.70 | 10.69 | ..... | |
| Philadelphia, Pa. | | | | | | | | |
| Bell Cow Bran ..... | G. | 15.00 | 3.50 | 57.00 | .... | .... | 10.00 | Wheat bran with ground screenings not exceeding mill run. |
| Quaker Oats Company ..... | F. | 15.50 | 5.69 | 63.99 | 5.65 | 9.17 | ..... | |
| Peterborough, Canada | | | | | | | | |
| Bell Cow Shorts ..... | G. | 16.00 | 4.00 | ..... | .... | .... | 8.00 | Made from shorts with ground screenings not exceeding mill run. |
| Quaker Oats Company ..... | F. | 18.13 | 6.19 | 62.50 | 3.88 | 9.30 | ..... | |
| Peterborough, Canada | | | | | | | | |
| Buckeye Feed ..... | G. | 15.50 | 4.50 | 53.00 | .... | .... | 11.00 | Wheat mixed feed with ground screenings not exceeding mill run. |
| Quaker Oats Co. ..... | F. | 16.90 | 4.80 | 61.48 | 5.93 | 10.89 | ..... | |
| Chicago, Ill. | | | | | | | | |
| Red Wing Special Bran ..... | G. | 13.50 | 4.10 | 62.30 | .... | .... | 15.60 | Ground screenings not exceeding mill run. |
| Red Wing Milling Co. ..... | F. | 15.15 | 5.53 | 62.77 | 6.12 | 10.43 | ..... | |
| Red Wing, Minn. | | | | | | | | |
| Red Wing Special Standard Middlings. | G. | 15.00 | 5.10 | 60.00 | .... | .... | 9.50 | |
| Red Wing Milling Co. ..... | F. | 16.11 | 6.14 | 62.22 | 4.72 | 10.81 | ..... | |
| Red Wing, Minn. | | | | | | | | |
| Red Wing Special Standard Middlings. | G. | 15.00 | 5.10 | 60.00 | .... | .... | 9.50 | |
| Red Wing Milling Co. ..... | F. | 16.11 | 6.14 | 62.22 | 4.72 | 10.81 | ..... | |
| Red Wing, Minn. | | | | | | | | |
| Black Hawk Pure Bran ..... | G. | 15.00 | 3.50 | 48.00 | .... | .... | 11.50 | Pure wheat. |
| Robin Hood Mills, Ltd. ..... | F. | 16.25 | 5.27 | 63.23 | 5.77 | 9.48 | ..... | |
| Moose Jaw, Canada | | | | | | | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Black Hawk Shorts | G. | 17.00 | 4.50 | 52.00 | .... | .... | 9.50 | Ground screenings not exceeding mill run. |
| Robin Hood Mills, Ltd. | F. | 18.09 | 5.85 | 61.44 | 3.99 | 10.63 | ..... | |
| Moose Jaw, Canada | | | | | | | | |
| Royal Bran | G. | 15.00 | 3.00 | 60.00 | .... | .... | 10.00 | Ground screenings not exceeding mill run. |
| Royal Milling Co. | F. | 16.99 | 6.26 | 60.45 | 5.96 | 10.34 | ..... | |
| Great Falls, Mont. | | | | | | | | |
| Royal Mixed Feed | G. | 16.00 | 4.00 | 55.00 | .... | .... | 10.00 | Wheat bran, flour middlings and ground screenings not exceeding mill run. |
| Royal Milling Co. | F. | 16.73 | 5.32 | 62.35 | 4.93 | 10.67 | ..... | |
| Great Falls, Mont. | | | | | | | | |
| Alta Middlings | G. | 15.50 | 4.50 | 53.00 | .... | .... | 8.50 | Hard wheat, mill run of standard middlings and flour middlings mixed. |
| Russell-Miller Milling Co. | F. | 17.45 | 6.36 | 60.15 | 4.12 | 11.92 | ..... | |
| Minneapolis, Minn. | | | | | | | | |
| Occident Bran | G. | 14.50 | 4.00 | 50.00 | .... | .... | 11.50 | Hard wheat. |
| Russell-Miller Milling Co. | F. | 16.60 | 5.84 | 60.86 | 6.39 | 10.31 | ..... | |
| Minneapolis, Minn. | | | | | | | | |
| Occident Mixed Feed | G. | 15.50 | 4.50 | 52.00 | .... | .... | 9.50 | Hard wheat, mill run of bran, middlings and red dog. |
| Russell-Miller Milling Co. | F. | 16.46 | 5.75 | 62.28 | 5.02 | 10.49 | ..... | |
| Minneapolis, Minn. | | | | | | | | |
| Wirthmore Middlings | G. | 14.00 | 4.00 | 50.00 | .... | .... | 8.00 | Wheat middlings and red dog flour. Less than mill run of screenings. |
| St. Albans Grain Co. | F. | 16.60 | 5.13 | 64.45 | 4.09 | 9.73 | ..... | |
| St. Albans, Vt. | | | | | | | | |
| Wirthmore Wheat Feed | G. | 15.00 | 4.50 | 50.00 | .... | .... | 8.00 | Wheat bran and feed flour with less than mill run of screenings. |
| St. Albans Grain Co. | F. | 15.94 | 4.76 | 65.43 | 3.93 | 9.94 | ..... | |
| St. Albans, Vt. | | | | | | | | |
| Bran | G. | 15.00 | 3.50 | ..... | .... | .... | 11.50 | |
| St. Lawrence Flour Mills Co. | F. | 15.94 | 6.11 | 62.25 | 5.92 | 9.78 | ..... | |
| Montreal, Canada | | | | | | | | |
| Gold Mine Feed | G. | 15.00 | 4.50 | 53.00 | .... | .... | 9.50 | Bran, shorts, low grade flour, all products of wheat and pulverized wheat screenings. |
| Sheffield-King Milling Co. | F. | 15.68 | 5.34 | 63.21 | 5.58 | 10.19 | ..... | |
| Minneapolis, Minn. | | | | | | | | |
| Soo Line Bran | G. | 14.30 | 4.20 | 49.50 | .... | .... | 12.00 | |
| Soo Line Mills, Ltd. | F. | 17.25 | 5.24 | 60.28 | 5.66 | 11.57 | ..... | |
| Weyburn, Sask. | | | | | | | | |

| Brand and name and address of manufacturer | | Pounds in 100 lbs. of Feed Stuff | | | | | | Certified by manufacturer to contain |
|---|---|---|---|---|---|---|---|---|
| | | Protein | Fat | Carbo-hydrates | Ash | Moist-ure | Crude Fiber | |
| Dakota Maid Pure Bran<br>State Mill and Elevator<br>Grand Forks, N. D. | G.<br>F. | 14.00<br>14.94 | 5.00<br>5.74 | 50.00<br>62.17 | ....<br>6.43 | ....<br>10.72 | 13.20<br>..... | Wheat bran. |
| Dakota Maid Durum Standard Middlings<br>State Mill and Elevator<br>Grand Forks, N. D. | G.<br>F. | 15.00<br>16.90 | 4.00<br>4.30 | 52.00<br>64.90 | ....<br>2.83 | ....<br>11.07 | 11.00<br>..... | Ground screenings not exceeding mill run. |
| Dakota Maid Standard Middlings<br>State Mill and Elevator<br>Grand Forks, N. D. | G.<br>F. | 16.10<br>17.21 | 5.70<br>5.94 | 52.00<br>62.50 | ....<br>3.95 | ....<br>10.40 | 8.10<br>..... | Hard wheat standard middlings with mill run cleaned ground wheat screenings. |
| Bran<br>F. W. Stock and Sons<br>Hillsdale, Mich. | G.<br>F. | 14.00<br>16.20 | 3.00<br>4.35 | 45.00<br>63.20 | ....<br>5.87 | ....<br>10.38 | 10.00<br>..... | Made from pure wheat with mill run screenings. |
| Flour Middlings<br>F. W. Stock and Sons<br>Hillsdale, Mich. | G.<br>F. | 17.00<br>17.91 | 4.00<br>4.96 | 50.00<br>62.69 | ....<br>3.47 | ....<br>10.97 | 7.00<br>..... | Made from soft Michigan wheat. |
| Middlings<br>F. W. Stock and Sons<br>Hillsdale, Mich. | G.<br>F. | 16.00<br>17.91 | 4.00<br>4.86 | 50.00<br>63.52 | ....<br>3.47 | ....<br>10.24 | 7.00<br>..... | Pure soft Michigan wheat. |
| Monarch Fancy Feed<br>F. W. Stock and Sons<br>Hillsdale, Mich. | G.<br>F. | 16.00<br>17.58 | 4.00<br>4.27 | 50.00<br>62.82 | ....<br>4.66 | ....<br>10.67 | 10.00<br>..... | Mill run screenings. |
| Superior Wheat Feed and Flour<br>F. W. Stock and Sons<br>Hillsdale, Mich. | G.<br>F. | 16.00<br>17.43 | 4.50<br>4.50 | 50.00<br>64.50 | ....<br>3.93 | ....<br>9.64 | 7.00<br>..... | Mill run screenings. |
| Bran<br>David Stott Flour Mills, Inc.<br>Detroit, Mich. | G.<br>F. | 14.50<br>16.07 | 4.00<br>4.52 | 52.00<br>63.85 | ....<br>6.07 | ....<br>9.49 | 12.50<br>..... | Wheat bran with ground clean wheat screenings. |

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|---|---|---|---|---|---|---|---|---|
| Pennant Middlings | G. | 15.00 | 4.00 | 57.00 | .... | .... | 9.00 | Brown wheat middlings with ground screenings not exceeding mill run. |
| David Stott Flour Mills, Inc. | F. | 17.34 | 4.62 | 63.78 | 4.64 | 9.62 | ..... | |
| Detroit, Mich. | | | | | | | | |
| Stott's Fine White Middlings | G. | 15.50 | 4.00 | 60.00 | .... | .... | 6.50 | |
| David Stott Flour Mills, Inc. | F. | 17.82 | 4.42 | 63.43 | 3.47 | 10.86 | ..... | |
| Detroit, Mich. | | | | | | | | |
| Fancy Bran | G. | 15.00 | 4.00 | 64.00 | .... | .... | 11.00 | Mill run of screenings ground in. |
| Stratton and Co. | F. | 16.20 | 4.44 | 64.20 | 5.54 | 9.62 | ..... | |
| Concord, N. H. | | | | | | | | |
| Middlings | G. | 16.20 | 4.26 | 66.00 | .... | .... | 6.60 | Screenings not exceeding mill run. |
| Stratton and Co. | F. | 16.51 | 4.77 | 65.24 | 2.85 | 10.63 | ..... | |
| Concord, N. H. | | | | | | | | |
| Mixed Feed | G. | 15.29 | 4.30 | 63.00 | .... | .... | 7.93 | Screenings not exceeding mill run. |
| Stratton and Co. | F. | 16.03 | 4.38 | 64.77 | 5.03 | 9.79 | ..... | |
| Concord, N. H. | | | | | | | | |
| Angelus Bran | G. | 15.50 | 4.00 | 63.00 | .... | .... | 11.50 | Hard wheat bran and ground screenings not exceeding mill run. |
| Thompson Milling Co. | F. | 15.50 | 4.67 | 63.47 | 7.22 | 9.14 | ..... | |
| Lockport, N. Y. | | | | | | | | |
| Angelus Mixed Feed | G. | 15.50 | 4.50 | 64.00 | .... | .... | 11.00 | Hard wheat bran, hard wheat middlings, and ground screenings not exceeding mill run. |
| Thompson Milling Co. | F. | 16.03 | 5.18 | 62.70 | 5.33 | 10.76 | ..... | |
| Lockport, N. Y. | | | | | | | | |
| T. and C. Bran | G. | 14.00 | 4.00 | 50.00 | .... | .... | 11.00 | Ground screenings not exceeding mill run. |
| Thornton and Chester Milling Co. | F. | 14.71 | 5.58 | 62.42 | 5.84 | 11.45 | ..... | |
| Buffalo, N. Y. | | | | | | | | |
| T. and C. Mixed Feed | G. | 16.00 | 5.00 | 50.00 | .... | .... | 9.00 | Wheat bran and middlings with ground screenings not exceeding mill run. |
| Thornton and Chester Milling Co. | F. | 16.16 | 5.48 | 62.29 | 5.09 | 10.98 | ..... | |
| Buffalo, N. Y. | | | | | | | | |
| Bran | G. | 15.00 | 3.50 | ..... | .... | .... | 11.50 | |
| Elzebert Turgeon | F. | 15.46 | 4.86 | 62.99 | 6.24 | 10.45 | ..... | |
| Montreal, Canada | | | | | | | | |
| Shorts | G. | 16.00 | 5.00 | ..... | .... | .... | 8.00 | |
| Elzebert Turgeon | F. | 16.95 | 6.02 | 61.37 | 4.23 | 11.43 | ..... | |
| Montreal, Canada | | | | | | | | |

| Brand and name and address of manufacturer | | Pounds in 100 lbs. of Feed Stuff | | | | | | Certified by manufacturer to contain |
|---|---|---|---|---|---|---|---|---|
| | | Protein | Fat | Carbo-hydrates | Ash | Moist-ure | Crude Fiber | |
| Rowena Cow Feed<br>Valley City Milling Co.<br>Grand Rapids, Mich. | G.<br>F. | 13.50<br>16.62 | 3.75<br>4.14 | 55.00<br>64.98 | ....<br>5.24 | ....<br>9.02 | 8.75<br>..... | Ground screenings not exceeding mill run. |
| Eagle Brand Wheat Bran<br>Vannater and Ham, Ltd.<br>Toronto, Canada | G.<br>F. | 15.00<br>15.85 | 4.00<br>5.76 | 50.00<br>62.66 | ....<br>5.76 | ....<br>9.97 | 11.00<br>..... | |
| Victor Bran<br>Victor Flour Mills, Inc.<br>Victor, N. Y. | G.<br>F. | 16.00<br>14.37 | 4.00<br>5.29 | 53.30<br>64.37 | ....<br>5.68 | ....<br>10.29 | 11.00<br>..... | Ground screenings not exceeding mill run. |
| Victor Flour Middlings<br>Victor Flour Mills, Inc.<br>Victor, N. Y. | G.<br>F. | 14.00<br>15.94 | 3.90<br>4.94 | 53.30<br>65.56 | ....<br>3.10 | ....<br>10.46 | 5.00<br>..... | Ground screenings not exceeding mill run. |
| Victor Mixed Feed<br>Victor Flour Mills, Inc.<br>Victor, N. Y. | G.<br>F. | 15.00<br>15.02 | 4.50<br>5.28 | 53.30<br>64.85 | ....<br>4.57 | ....<br>10.28 | 10.00<br>..... | Wheat bran, wheat middlings, low grade flour with ground screenings not exceeding mill run. |
| Voigt's Bran<br>Voigt Milling Co.<br>Grand Rapids, Mich. | G.<br>F. | 14.50<br>17.43 | 4.00<br>4.28 | 52.20<br>59.92 | ....<br>6.05 | ....<br>12.32 | 10.00<br>..... | |
| Voigt's Middlings<br>Voigt Milling Co.<br>Grand Rapids, Mich. | G.<br>F. | 14.50<br>17.51 | 4.00<br>5.08 | 52.20<br>63.33 | ....<br>3.45 | ....<br>10.63 | 10.00<br>..... | Ground screenings not exceeding mill run. |
| Gold Medal Adrian Red Dog<br>Washburn-Crosby Co.<br>Minneapolis, Minn. | G.<br>F. | 16.00<br>16.99 | 4.00<br>4.24 | 60.00<br>64.60 | ....<br>2.86 | ....<br>11.31 | 4.00<br>..... | Pure hard wheat only. |
| Gold Medal Mixed Feed<br>Washburn-Crosby Co.<br>Minneapolis, Minn. | G.<br>F. | 16.00<br>15.77 | 4.00<br>3.79 | 58.00<br>65.92 | ....<br>4.44 | ....<br>10.08 | 7.50<br>..... | Hard wheat bran, flour middlings and mill run cleaned ground wheat screenings. |

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|---|---|---|---|---|---|---|---|---|
| Gold Medal Standard Middlings ..... | G. | 15.00 | 4.00 | 53.00 | .... | .... | 9.50 | Hard wheat standard middlings and mill run cleaned ground wheat screenings. |
| Washburn-Crosby Co. ..... | F. | 16.79 | 5.69 | 61.13 | 4.47 | 11.92 | ..... | |
| Minneapolis, Minn. | | | | | | | | |
| Gold Medal Wheat Bran ..... | G. | 14.00 | 4.00 | 51.00 | .... | .... | 12.00 | Mill run ground screenings. |
| Washburn-Crosby Co. ..... | F. | 14.95 | 5.64 | 63.49 | 5.70 | 10.22 | ..... | |
| Minneapolis, Minn. | | | | | | | | |
| Pioneer Pure Bran ..... | G. | 15.00 | 3.50 | ..... | .... | .... | 11.50 | |
| Western Canada Flour Mills Co. ..... | F. | 14.83 | 5.76 | 62.72 | 6.23 | 10.46 | ..... | |
| Winnipeg, Canada | | | | | | | | |
| Bran ..... | G. | ..... | .... | ..... | .... | .... | ..... | |
| Wolverton Milling Co. ..... | F. | 16.29 | 6.11 | 60.98 | 5.96 | 10.66 | ..... | |
| Wolverton, Ont. | | | | | | | | |
| Shorts ..... | G. | ..... | .... | ..... | .... | .... | ..... | |
| Wolverton Milling Co. ..... | F. | 16.11 | 5.61 | 62.89 | 4.07 | 11.32 | ..... | |
| Wolverton, Ont. | | | | | | | | |